

TRADEMARK ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNS THE ENTIRE INTEREST AND THE GOODWILL		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
TDY Industries, LLC		11/04/2013	LIMITED LIABILITY COMPANY: CALIFORNIA
RECEIVING PARTY DATA			
Name:	Kennametal Inc.		
Street Address:	1600 Technology Way		
City:	Latrobe		
State/Country:	PENNSYLVANIA		
Postal Code:	15650		
Entity Type:	CORPORATION: PENNSYLVANIA		
PROPERTY NUMBERS Total: 2			
Property Type	Number	Word Mark	
Registration Number:	0177617		
Registration Number:	3376565	LANROLL	
CORRESPONDENCE DATA			
Fax Number:	4129455933		
	<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>		
Phone:	412-471-8815		
Email:	assignments@webblaw.com		
Correspondent Name:	James G. Porcelli, The Webb Law Firm		
Address Line 1:	One Gateway Center		
Address Line 2:	420 Ft. Duquesne Blvd., Suite 1200		
Address Line 4:	Pittsburgh, PENNSYLVANIA 15222		
ATTORNEY DOCKET NUMBER:	0687-134722		
NAME OF SUBMITTER:	James G. Porcelli, Reg. No. 33,757		

OP \$65.00 0177617

Signature:

/jgp/

Date:

12/11/2013

Total Attachments: 95

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ASSIGNMENT OF INTELLECTUAL PROPERTY

ASSIGNMENT OF INTELLECTUAL PROPERTY (this "Assignment"), dated November 4, 2013, by and between TDY Industries LLC, a California limited liability company ("Assignor"), and Kennametal Inc., a Pennsylvania corporation ("Assignee"). Unless otherwise indicated, capitalized terms used herein and not otherwise defined herein shall have the respective meanings set forth in that certain Purchase Agreement, dated as of September 13, 2013 (the "Purchase Agreement"), by and among Assignor, Assignee and certain other parties listed therein.

WHEREAS, Assignor and Assignee have entered into the Purchase Agreement, pursuant to which, among other things, Assignor has agreed to sell, convey, assign, transfer and deliver to Assignee, and Assignee has agreed to purchase, acquire and accept from Assignor all right, title and interest in and to the Transferred Assets;

WHEREAS, the Transferred Assets include all of Assignor's right, title and interest in all Intellectual Property that is used or held for use in the Tungsten Materials Business, including the patents and patent applications set forth on Schedule 1 attached hereto and the trademark registrations and applications listed on Schedule 2 attached hereto (the "Tungsten Materials IP"). For purposes of this Assignment, the term "Intellectual Property" shall mean (i) patents, patent applications, invention disclosures, and all related continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, and extensions thereof, (ii) registered and unregistered trademarks, service marks, names, corporate names, trade names, domain names, URLs and URL registrations, logos, slogans, trade dress, design rights, and other similar designations of source or origin, together with the goodwill symbolized by any of the foregoing, (iii) copyrights and copyrightable subject matter, (iv) trade secrets and all other confidential or proprietary information, Know-How, inventions, processes, formulae, models, and methodologies and (v) all applications and registrations for the foregoing, in each case not including any IT Assets (as defined in the Purchase Agreement); and

WHEREAS, in accordance with the Purchase Agreement, Assignor desires to transfer and assign to Assignee, and Assignee desires to accept the transfer and assignment of all of Assignor's worldwide right, title and interest in and to the Tungsten Materials IP, including the Tungsten Materials IP set forth on Schedule 1 and Schedule 2 attached hereto.

NOW, THEREFORE, in exchange for the consideration set forth in the Purchase Agreement and the mutual covenants contained herein and in the Purchase Agreement, the receipt of which is hereby acknowledged, the parties hereby agree as follows:

1. Assignment of Tungsten Materials IP. Assignor does hereby transfer and assign to Assignee, and Assignee hereby accepts the transfer and assignment of all of Assignor's worldwide right, title and interest in and to:

- (a) the Tungsten Materials IP;

(b) all Tungsten Materials IP specified on Schedule 1 and Schedule 2 attached hereto;

(c) any and all continuations-in-part, divisionals, reissues, re-examinations, substitutions and extensions of any patents and patent applications within the Tungsten Materials IP that may hereafter be secured by Assignee under the laws now or hereafter in effect in the United States or in any other jurisdiction;

(d) all rights of any kind whatsoever of Assignor accruing under any of the foregoing provided by applicable law of any jurisdiction, by international treaties and conventions and otherwise throughout the world;

(e) any and all royalties, fees, income, payments and other proceeds now or hereafter due or payable with respect to any and all of the foregoing; and

(f) any and all claims and causes of action, with respect to any of the foregoing, whether accruing before, on and/or after the date of this Assignment, including all rights to and claims for damages, restitution and injunctive and other legal and equitable relief for past, present and future infringement, dilution, misappropriation, violation, misuse, breach or default, with the right but no obligation to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages.

2. Use of Tungsten Materials IP. The foregoing assigned Tungsten Materials IP and related rights are to be held and enjoyed by Assignee, its successors and assigns from and after the date hereof as fully and entirely as the same would have been held and enjoyed by Assignor had this Assignment not been made.

3. Recordation. Assignor authorizes the U.S. Commissioner for Patents, the U.S. Commissioner for Trademarks and the U.S. Register of Copyrights and any other governmental officials of any patent, trademark or copyright office worldwide to record and register this Assignment upon request by Assignee. Assignor shall, from time to time, at Assignee's request and without further consideration, but at the expense of and for the benefit of Assignee and its successors and assigns, execute and deliver all of such instruments of sale, transfer, assignment and conveyance and all such notices, releases, acquittances and other documents, and take such other action, as Assignee may reasonably request to effectively transfer, assign and convey to, and vest in, Assignee and to put Assignee in possession of the Tungsten Materials IP.

4. Legal Proceedings. Assignor hereby appoints Assignee and its successors and assigns as Assignor's true and lawful attorneys with full power of substitution, in Assignor's name and stead but on behalf and for the benefit of Assignee and its successors and assigns, for the limited purpose of prosecuting and maintaining the Tungsten Materials IP before any trademark, patent or copyright office worldwide, at the expense of and for the benefit of Assignee and its successors and assigns, or executing such documents, which Assignee or its successors or assigns may deem proper for the collection or reduction to possession of, or

recordation of ownership to, any of the Tungsten Materials IP. The dissolution of Assignor will not work a revocation of the foregoing powers.

5. Additional Documents. Assignor hereby agrees to execute any additional documents as may be reasonably necessary to effectuate the transfer of title in and to the Tungsten Materials IP to the Assignee.

6. Governing Law. Except to the extent that federal law preempts state law with respect to the matters covered hereby, this Assignment shall be governed by and construed and enforced in accordance with the internal laws of the Commonwealth of Pennsylvania without regard to the conflict of law principles thereof.

7. Counterparts. This Assignment may be signed in any number of counterparts, each of which shall be an original, with the same effect as if the signatures thereto and hereto were upon the same instrument. This Assignment shall become effective when each party hereto shall have received a counterpart hereof signed by the other parties hereto. For the convenience of the parties, any number of counterparts hereof may be executed, each such executed counterpart shall be deemed an original and all such counterparts together shall constitute one and the same instrument. Facsimile transmission (including the e-mail delivery of documents in Adobe PDF format) of any signed original counterpart and/or retransmission of any signed facsimile transmission shall be deemed the same as the delivery of an original.

8. Order of Precedence. In the event of any conflict or inconsistency between the terms of the Purchase Agreement and the terms hereof, the terms of the Purchase Agreement shall govern.

[REMAINDER OF PAGE INTENTIONALLY BLANK]

IN WITNESS WHEREOF, the parties hereto have caused this Assignment of Intellectual Property Agreement to be executed as of the date first above written.

TDY INDUSTRIES, LLC, *as Assignor*

By: Elliot S. Davis
Name: Elliot S. Davis
Title: Senior Vice President

Acknowledgement of Signature

STATE OF Pennsylvania

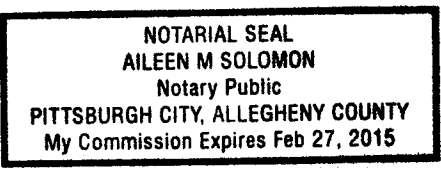
COUNTY OF Allegheny

On October 30, 2013 before me a Notary Public, personally appeared Elliot S. Davis, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/~~she~~ executed the same in his/~~her~~ authorized capacity, and that by his/~~her~~ signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the [Commonwealth of Pennsylvania] that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Aileen M Solomon (Seal)



KENNAMETAL INC., as Assignee

By:

Frank P. Simpkins
Name: Frank P. Simpkins
Title: Vice President and Chief Financial Officer

Acknowledgement of Signature

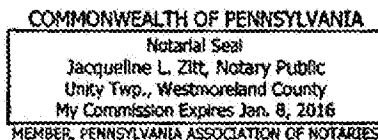
STATE OF Pennsylvania
COUNTY OF WESTMORELAND

On October 31, 2013 before me, Jacqueline L. Zitt, personally appeared Frank P. Simpkins, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the [Commonwealth of Pennsylvania] that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Jacqueline L. Zitt (Seal)



[Signature page to Assignment
of Intellectual Property Agreement]

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TRADEMARK
REEL: 005171 FRAME: 0300

SCHEDULE 1

PATENTS AND PATENT APPLICATIONS

See attached.

Granted Patents

Docket Number Case Type	SubCase Division	Country	Patent Number Issue Date	Status Expiration Date	Attorneys
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TAM-1629 PCT	AU	Australia - Metalworking Products	761003 11-Sep-2003	Granted 16-June-2019	MRL BGP
Title: SUBSTRATE TREATMENT METHOD					

TAM-1629 EPP	EP	Austria - Metalworking Products	E 493.279 29-Dec-2010	Granted 16-June-2019	MRL BGP
Title: SUBSTRATE TREATMENT METHOD					

TAM-1629 EPP	EP	Belgium - Metalworking Products	1192050 29-Dec-2010	Granted 16-June-2019	MRL BGP
Title: SUBSTRATE TREATMENT METHOD					

TAM-1629 PCT	CN	China (People's Republic) - Metalworking Products	ZL99807261. 26-Jan-2005	Granted 16-June-2019	MRL BGP
Title: SUBSTRATE TREATMENT METHOD					

TAM-1629 EPP	EP	Denmark - Metalworking Products	1192050 29-Dec-2010	Granted 16-June-2019	MRL BGP
Title: SUBSTRATE TREATMENT METHOD					

Granted Patents

Docket Number Case Type	SubCase	Country Division	Patent Number Issue Date	Status Expiration Date	Attorneys
TAM-1629 PCT	EP	European Patent Convention - Metalworking Products Title: SUBSTRATE TREATMENT METHOD	1192050 29-Dec-2010	Granted 16-June-2019	MRL BGP
TAM-1629 EPP	EP	France - Metalworking Products Title: SUBSTRATE TREATMENT METHOD	1192050 29-Dec-2010	Granted 16-June-2019	MRL BGP
TAM-1629 EPP	EP	Germany - Metalworking Products Title: SUBSTRATE TREATMENT METHOD	69943094.1 29-Dec-2010	Granted 16-June-2019	MRL BGP
TAM-1629 EPP	EP	Ireland - Metalworking Products Title: SUBSTRATE TREATMENT METHOD	1192050 29-Dec-2010	Granted 16-June-2019	MRL BGP
TAM-1629 EPP	EP	Italy - Metalworking Products Title: SUBSTRATE TREATMENT METHOD	68112BE/2011 29-Dec-2010	Granted 16-June-2019	MRL BGP
TAM-1629 PCT	JP	Japan - Metalworking Products Title: SUBSTRATE TREATMENT METHOD	4824232 16-Sep-2011	Granted 16-June-2019	MRL BGP
TAM-1629 ORD	MY	Malaysia - Metalworking Products Title: ETCH FILED COATED COMPOSITES	MY-127988-A 31-Jan-2007	Granted 31-January-2022	MRL BGP
TAM-1629 EPP	EP	Netherlands - Metalworking Products Title: SUBSTRATE TREATMENT METHOD	1192050 29-Dec-2010	Granted 16-June-2019	MRL BGP
TAM-1629 EPP	EP	Portugal - Metalworking Products Title: SUBSTRATE TREATMENT METHOD	1192050 29-Dec-2010	Granted 16-June-2019	MRL BGP
TAM-1629 PCT	SG	Singapore -- Metalworking Products Title: SUBSTRATE TREATMENT METHOD	77977 31-May-2005	Granted 16-June-2019	MRL BGP

Granted Patents

Docket Number Case Type	SubCase	Country Division	Patent Number Issue Date	Status Expiration Date	Attorneys
TAM-1629 EPP	EP	Spain - Metalworking Products	1192050 29-Dec-2010	Granted 16-June-2019	MRL BGP
Title: SUBSTRATE TREATMENT METHOD					
TAM-1629 EPP	EP	Sweden - Metalworking Products	1192050 29-Dec-2010	Granted 16-June-2019	MRL BGP
Title: SUBSTRATE TREATMENT METHOD					
TAM-1629 EPP	EP	Switzerland - Metalworking Products	1192050 29-Dec-2010	Granted 16-June-2019	MRL BGP
Title: SUBSTRATE TREATMENT METHOD					
TAM-1629 ORD	TW	Taiwan - Metalworking Products	195005 20-Dec-2003	Granted 27-December-2020	MRL BGP
Title: SUBSTRATE TREATMENT METHOD					
TAM-1629 EPP	EP	United Kingdom - Metalworking Products	1192050 29-Dec-2010	Granted 16-June-2019	MRL BGP
Title: SUBSTRATE TREATMENT METHOD					
TAM-1629 DIV	DIV	United States of America - Metalworking Products	6,929,851 16-Aug-2005	Granted	MRL BGP
Title: ETCH FILED COATED COMPOSITES					
TAM-1629 DIV	DIV2	United States of America - Metalworking Products	6,358,428 19-Mar-2002	Granted	MRL BGP
Title: ETCH FILED COATED COMPOSITES (jlk)					
TAM-1629 ORD	US	United States of America - Metalworking Products	6,214,247 10-Apr-2001	Granted 10-June-2018	MRL BGP
Title: ETCH FILED COATED COMPOSITES (jlk)					
TAM-1631 PCT	BR	Brazil - Metalworking Products	PI9611817-2 16-Apr-2002	Granted 23-October-2016	MRL BGP
Title: ANCHORED OXIDE COATINGS ON HARD METAL CUTTING TOOLS					
TAM-1631 PCT	CA	Canada - Metalworking Products	2235807 24-Jul-2001	Granted 23-October-2016	MRL BGP
Title: ANCHORED OXIDE COATINGS ON HARD METAL CUTTING TOOLS					

Granted Patents

Docket Number Case Type	SubCase	Country Division	Patent Number Issue Date	Status Expiration Date	Attorneys
TAM-1631 PCT	CN	China (People's Republic) - Metalworking Products	103299 12-Feb-2003	Granted 23-October-2016	MRL BGP
Title: ANCHORED OXIDE COATINGS ON HARD METAL CUTTING TOOLS					
TAM-1631 PCT	DK	Denmark - Metalworking Products	0857095 12-Aug-1998	Granted 23-October-2016	MRL BGP
Title: ANCHORED OXIDE COATINGS ON HARD METAL CUTTING TOOLS					
TAM-1631 PCT	EP	European Patent Convention - Metalworking Products	0857095 04-Feb-2004	Granted 23-October-2016	MRL BGP
Title: ANCHORED OXIDE COATINGS ON HARD METAL CUTTING TOOLS					
TAM-1631 PCT	FR	France - Metalworking Products	0857095 12-Aug-1998	Granted 23-October-2016	MRL BGP
Title: ANCHORED OXIDE COATINGS ON HARD METAL CUTTING TOOLS					
TAM-1631 PCT	DE	Germany - Metalworking Products	69631484.3 12-Aug-1998	Granted 23-October-2016	MRL BGP
Title: ANCHORED OXIDE COATINGS ON HARD METAL CUTTING TOOLS					
TAM-1631 ORD	IN	India - Metalworking Products	194661 22-Jul-2005	Granted 24-October-2016	MRL BGP
Title: ANCHORED OXIDE COATINGS ON HARD METAL CUTTING TOOLS					
TAM-1631 PCT	IT	Italy -- Metalworking Products	24415BE2004 12-Aug-1998	Granted 23-October-2016	MRL BGP
Title: ANCHORED OXIDE COATINGS ON HARD METAL CUTTING TOOLS					
TAM-1631 ORD	KR	Korea, Republic of -- Metalworking Products	0534293	Granted	MRL BGP
Title: ANCHORED OXIDE COATINGS ON HARD METAL CUTTING TOOLS					
TAM-1631 PCT	LI	Liechtenstein - Metalworking Products	0857095 23-Oct-1996	Granted 23-October-2016	MRL BGP
Title: ANCHORED OXIDE COATINGS ON HARD METAL CUTTING TOOLS					
TAM-1631 PCT	MX	Mexico - Metalworking Products	222920 24-Sep-2004	Granted 23-October-2016	MRL BGP
Title: ANCHORED OXIDE COATINGS ON HARD METAL CUTTING TOOLS					

Granted Patents

Docket Number Case Type	SubCase	Country Division	Patent Number Issue Date	Status Expiration Date	Attorneys
TAM-1631 PCT	RU	Russian Federation -- Metalworking Products	2173241 10-Sep-2001	Granted 23-October-2016	MRL BGP
Title: ANCHORED OXIDE COATINGS ON HARD METAL CUTTING TOOLS					
TAM-1631 ORD	ZA	South Africa -- Metalworking Products	P/96/74495 25-Jun-1997	Granted 25-October-2016	MRL BGP
Title: ANCHORED OXIDE COATINGS ON HARD METAL CUTTING TOOLS					
TAM-1631 PCT	ES	Spain -- Metalworking Products	0857095 12-Aug-1998	Granted 23-October-2016	MRL BGP
Title: ANCHORED OXIDE COATINGS ON HARD METAL CUTTING TOOLS					
TAM-1631 PCT	SE	Sweden -- Metalworking Products	0857095 12-Aug-1998	Granted 23-October-2016	MRL BGP
Title: ANCHORED OXIDE COATINGS ON HARD METAL CUTTING TOOLS					
TAM-1631 PCT	CH	Switzerland -- Metalworking Products	0857095 23-Oct-1996	Granted 23-October-2016	MRL BGP
Title: ANCHORED OXIDE COATINGS ON HARD METAL CUTTING TOOLS					
TAM-1631 ORD	TW	Taiwan -- Metalworking Products	131315 24-Aug-2001	Granted 24-October-2016	MRL BGP
Title: ANCHORED OXIDE COATINGS ON HARD METAL CUTTING TOOLS					
TAM-1631 PCT	GB	United Kingdom -- Metalworking Products	0857095 12-Aug-1998	Granted 23-October-2016	MRL BGP
Title: ANCHORED OXIDE COATINGS ON HARD METAL CUTTING TOOLS					
TAM-1631 REI	RE	United States of America -- Metalworking Products	RE43387 15-May-2012	Granted	MRL BGP
Title: ANCHORED OXIDE COATINGS ON HARD METAL CUTTING TOOLS					
TAM-1631 ORD	US	United States of America -- Metalworking Products	5,958,569 28-Sep-1999	Granted 27-October-2015	MRL BGP
Title: ANCHORED OXIDE COATINGS ON HARD METAL CUTTING TOOLS					

Granted Patents

Docket Number Case Type	SubCase	Country Division	Patent Number Issue Date	Status Expiration Date	Attorneys
TMP-1929 DES		International Design (Old Code) - Metalworking Products	DM/052557 31-Mar-2000	Granted 31-March-2025	MRL BGP
Title: CUTTING INSERT					
TMP-1929 ORD	MX	Mexico - Metalworking Products	14399 05-Nov-2002	Granted 31-March-2020	MRL BGP
Title: CUTTING INSERT					
TMP-1929 DES	GB	United Kingdom -- Metalworking Products	2091809 17-Aug-2000	Granted 31-March-2025	MRL BGP
Title: CUTTING INSERT					
TMP-1929 DES	US	United States of America - Metalworking Products	D430583 05-Sep-2000	Granted 05-September-2014	MRL BGP
Title: CUTTING INSERT					
TMP-1943 EPP	AT	Austria - Metalworking Products	E278494 06-Oct-2004	Granted 11-December-2020	MRL BGP JLK
Title: COMPOSITE ROTARY TOOL AND TOOL FABRICATION METHOD					
TMP-1943 EPP	DK	Denmark - Metalworking Products	1244531 06-Oct-2004	Granted 11-December-2020	MRL BGP JLK
Title: COMPOSITE ROTARY TOOL AND TOOL FABRICATION METHOD					
TMP-1943 PCT	EP	European Patent Convention - Metalworking Products	1244531 06-Oct-2004	Granted 11-December-2020	MRL BGP JLK
Title: COMPOSITE ROTARY TOOL AND TOOL FABRICATION METHOD					
TMP-1943 EPP	FR	France - Metalworking Products	1244531 06-Oct-2004	Granted 11-December-2020	MRL BGP JLK
Title: COMPOSITE ROTARY TOOL AND TOOL FABRICATION METHOD					
TMP-1943 EPP	DE	Germany - Metalworking Products	60014706108 06-Oct-2004	Granted 11-December-2020	MRL BGP JLK
Title: COMPOSITE ROTARY TOOL AND TOOL FABRICATION METHOD					
TMP-1943 PCT	HU	Hungary - Metalworking Products	226 281 14-Oct-2008	Granted 14-December-2019	MRL BGP JLK
Title: COMPOSITE ROTARY TOOL AND TOOL FABRICATION METHOD					

Granted Patents

Docket Number Case Type	SubCase	Country Division	Patent Number Issue Date	Status Expiration Date	Attorneys
TMP-1943 EPP	IT	Italy - Metalworking Products	32094 BE/04 06-Oct-2004	Granted 11-December-2020	MRL BGP JLK
Title: COMPOSITE ROTARY TOOL AND TOOL FABRICATION METHOD					
TMP-1943 PCT	JP	Japan - Metalworking Products	4912552 27-Jan-2012	Granted 11-December-2020	MRL BGP JLK
Title: COMPOSITE ROTARY TOOL AND TOOL FABRICATION METHOD					
TMP-1943 PCT	KR	Korea, Republic of - Metalworking Products	0749994 09-Aug-2007	Granted 11-December-2020	MRL BGP JLK
Title: COMPOSITE ROTARY TOOL AND TOOL FABRICATION METHOD					
TMP-1943 PCT	PL	Poland - Metalworking Products	197642 14-May-2008	Granted 11-December-2020	MRL BGP JLK
Title: COMPOSITE ROTARY TOOL AND TOOL FABRICATION METHOD					
TMP-1943 EPP	SE	Sweden - Metalworking Products	1244531 06-Oct-2004	Granted 11-December-2020	MRL BGP JLK
Title: COMPOSITE ROTARY TOOL AND TOOL FABRICATION METHOD					
TMP-1943 EPP	CH	Switzerland - Metalworking Products	1244531 06-Oct-2004	Granted 11-December-2020	MRL BGP JLK
Title: COMPOSITE ROTARY TOOL AND TOOL FABRICATION METHOD					
TMP-1943 EPP	GB	United Kingdom - Metalworking Products	1244531 06-Oct-2004	Granted 11-December-2020	MRL BGP JLK
Title: COMPOSITE ROTARY TOOL AND TOOL FABRICATION METHOD					
TMP-1943 ORD		United States of America - Metalworking Products	6,511,265 28-Jan-2003	Granted 14-December-2019	MRL BGP JLK
Title: COMPOSITE CEMENTED CARBIDE RODS FOR ROTARY TOOLS					
TMP-1947 CIP	US	United States of America - Metalworking Products	6,447,890 10-Sep-2002	Granted 03-September-2019	MRL BGP
Title: A COATED CARBIDE GRADE WITH IMPROVED THERMAL SHOCK RESISTANCE (mrl)					
TMP-1947 DIV	US1	United States of America - Metalworking Products	6,827,975 07-Dec-2004	Granted 03-September-2019	MRL BGP
Title: A COATED CARBIDE GRADE WITH IMPROVED THERMAL SHOCK RESISTANCE (mrl)					

Granted Patents

Docket Number Case Type	SubCase	Country Division	Patent Number Issue Date	Status Expiration Date	Attorneys
TMP-1949 PCT	CN	China (People's Republic) - Metalworking Products	ZL 200480013636.4 03-Oct-2012	Granted 01-April-2024	MRL BGP
Title: CUTTING TOOL HAVING A WIPER NOSE CORNER					
TMP-1949 PCT	HK	Hong Kong - Metalworking Products	1089994B 05-Jul-2013	Granted 01-April-2024	MRL BGP
Title: CUTTING TOOL HAVING A WIPER NOSE CORNER					
TMP-1949 ORD	US	United States of America - Metalworking Products	7,234,899 26-Jun-2007	Granted 05-January-2024	MRL BGP
Title: CUTTING TOOL HAVING A WIPER NOSE CORNER					
TMP-1960 PCT	AU	Australia - Metalworking Products	782864 22-Dec-2005	Granted 24-January-2021	MRL BGP
Title: UNIDRILL INSERT WITH PRECISION PRESSED GEOMETRY FORM					
TMP-1960 EPP	EP	Austria - Metalworking Products	E 501.803 16-Mar-2011	Granted 24-January-2021	MRL BGP
Title: SPADE DRILL INSERT AND SPADE DRILL WITH CHIP CONTROL GEOMETRY					
TMP-1960 EPP	EP	Belgium - Metalworking Products	1250206 16-Mar-2011	Granted 24-January-2021	MRL BGP
Title: SPADE DRILL INSERT AND SPADE DRILL WITH CHIP CONTROL GEOMETRY					
TMP-1960 PCT	CA	Canada - Metalworking Products	2398492 05-Aug-2008	Granted 24-January-2021	MRL BGP
Title: UNIDRILL INSERT WITH PRECISION PRESSED GEOMETRY FORM					
TMP-1960 PCT	CN	China (People's Republic) - Metalworking Products	01806138.9 14-Jan-2004	Granted 28-January-2020	MRL BGP
Title: UNIDRILL INSERT WITH PRECISION PRESSED GEOMETRY FORM					
TMP-1960 EPP	EP	Denmark - Metalworking Products	1250206 16-Mar-2011	Granted 24-January-2021	MRL BGP
Title: SPADE DRILL INSERT AND SPADE DRILL WITH CHIP CONTROL GEOMETRY					
TMP-1960 PCT	EP	European Patent Convention - Metalworking Products	1250206 16-Mar-2011	Granted 24-January-2021	MRL BGP
Title: SPADE DRILL INSERT AND SPADE DRILL WITH CHIP CONTROL GEOMETRY					

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Docket Number Case Type	SubCase	Country Division	Patent Number Issue Date	Status Expiration Date	Attorneys
TMP-1960 EPP	EP	Finland - Metalworking Products	1250206 16-Mar-2011	Granted 24-January-2021	MRL BGP
Title: SPADE DRILL INSERT AND SPADE DRILL WITH CHIP CONTROL GEOMETRY					
TMP-1960 EPP	EP	France - Metalworking Products	1250206 16-Mar-2011	Granted 24-January-2021	MRL BGP
Title: SPADE DRILL INSERT AND SPADE DRILL WITH CHIP CONTROL GEOMETRY					
TMP-1960 EPP	EP	Germany - Metalworking Products	601 44 223.7-08 16-Mar-2011	Granted 24-January-2021	MRL BGP
Title: SPADE DRILL INSERT AND SPADE DRILL WITH CHIP CONTROL GEOMETRY					
TMP-1960 PCX	HK	Hong Kong - Metalworking Products	1052668 16-Jul-2004	Granted 24-January-2021	MRL BGP
Title: UNIDRILL INSERT WITH PRECISION PRESSED GEOMETRY FORM					
TMP-1960 PCT	HU	Hungary - Metalworking Products	223646 22-Sep-2004	Granted 24-January-2021	MRL BGP
Title: UNIDRILL INSERT WITH PRECISION PRESSED GEOMETRY FORM					
TMP-1960 EPP	EP	Ireland - Metalworking Products	1250206 16-Mar-2011	Granted 24-January-2021	MRL BGP
Title: SPADE DRILL INSERT AND SPADE DRILL WITH CHIP CONTROL GEOMETRY					
TMP-1960 EPP	EP	Italy - Metalworking Products	68982 BE/2011 16-Mar-2011	Granted 24-January-2021	MRL BGP
Title: SPADE DRILL INSERT AND SPADE DRILL WITH CHIP CONTROL GEOMETRY					
TMP-1960 PCT	JP	Japan - - Metalworking Products	4892155 22-Dec-2011	Granted 24-January-2021	MRL BGP
Title: UNIDRILL INSERT WITH PRECISION PRESSED GEOMETRY FORM					
TMP-1960 EPP	EP	Liechtenstein - Metalworking Products	1250206 16-Mar-2011	Granted 24-January-2021	MRL BGP
Title: SPADE DRILL INSERT AND SPADE DRILL WITH CHIP CONTROL GEOMETRY					
TMP-1960 EPP	EP	Luxembourg - Metalworking Products	1250206 16-Mar-2011	Granted 24-January-2021	MRL BGP
Title: SPADE DRILL INSERT AND SPADE DRILL WITH CHIP CONTROL GEOMETRY					

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Docket Number Case Type	SubCase	Country Division	Patent Number Issue Date	Status Expiration Date	Attorneys
TMP-1960 PCT	MX	Mexico - Metalworking Products	235893 17-Apr-2006	Granted 24-January-2021	MRL BGP
Title: UNIDRILL INSERT WITH PRECISION PRESSED GEOMETRY FORM					
TMP-1960 EPP	EP	Netherlands - Metalworking Products	1250206 16-Mar-2011	Granted 24-January-2021	MRL BGP
Title: SPADE DRILL INSERT AND SPADE DRILL WITH CHIP CONTROL GEOMETRY					
TMP-1960 PCT	NO	Norway - Metalworking Products	0329233 20-Sep-2010	Granted 24-January-2021	MRL BGP
Title: UNIDRILL INSERT WITH PRECISION PRESSED GEOMETRY FORM					
TMP-1960 EPP	EP	Portugal - Metalworking Products	1250206 16-Mar-2011	Granted 24-January-2021	MRL BGP
Title: SPADE DRILL INSERT AND SPADE DRILL WITH CHIP CONTROL GEOMETRY					
TMP-1960 EPP	EP	Spain - Metalworking Products	1250206 16-Mar-2011	Granted 24-January-2021	MRL BGP
Title: SPADE DRILL INSERT AND SPADE DRILL WITH CHIP CONTROL GEOMETRY					
TMP-1960 EPP	EP	Sweden - Metalworking Products	1250206 16-Mar-2011	Granted 24-January-2021	MRL BGP
Title: SPADE DRILL INSERT AND SPADE DRILL WITH CHIP CONTROL GEOMETRY					
TMP-1960 EPP	EP	Switzerland - Metalworking Products	1250206 16-Mar-2011	Granted 24-January-2021	MRL BGP
Title: SPADE DRILL INSERT AND SPADE DRILL WITH CHIP CONTROL GEOMETRY					
TMP-1960 EPP	EP	United Kingdom - Metalworking Products	1250206 16-Mar-2011	Granted 24-January-2021	MRL BGP
Title: SPADE DRILL INSERT AND SPADE DRILL WITH CHIP CONTROL GEOMETRY					
TMP-1960 ORD	US	United States of America - Metalworking Products	6,270,297 07-Aug-2001	Granted 28-January-2020	MRL BGP
Title: CUTTING TOOLS AND DRILL INSERTS WITH CHIP CONTROL GEOMETRY					
TMP-1961 PCT	AU	Australia - Metalworking Products	780029 09-Jun-2005	Granted 14-February-2021	MRL BGP
Title: SOLID CARBIDE THREAD MILL WITH HELICAL TAPERED FLUTES					

Granted Patents

Docket Number Case Type	SubCase	Country Division	Patent Number Issue Date	Status Expiration Date	Attorneys
TMP-1961 EPP	EP	Belgium - Metalworking Products	1257379 21-Apr-2010	Granted 14-February-2021	MRL BGP
Title: SOLID CARBIDE THREAD MILL WITH HELICAL TAPERED FLUTES					
TMP-1961 PCT	BR	Brazil - Metalworking Products	PI0108621-9 06-Sep-2011	Granted 06-September-2021	MRL BGP
Title: SOLID CARBIDE THREAD MILL WITH HELICAL TAPERED FLUTES					
TMP-1961 PCT	CA	Canada - Metalworking Products	2399010 08-Sep-2009	Granted 14-February-2021	MRL BGP
Title: SOLID CARBIDE THREAD MILL WITH HELICAL TAPERED FLUTES					
TMP-1961 PCT	EP	European Patent Convention - Metalworking Products	1257379 21-Apr-2010	Granted 14-February-2021	MRL BGP
Title: SOLID CARBIDE THREAD MILL WITH HELICAL TAPERED FLUTES					
TMP-1961 EPP	EP	France - Metalworking Products	1257379 21-Apr-2010	Granted 14-February-2021	MRL BGP
Title: SOLID CARBIDE THREAD MILL WITH HELICAL TAPERED FLUTES					
TMP-1961 EPP	EP	Germany - Metalworking Products	601 41 887.5-08 21-Apr-2010	Granted 14-February-2021	MRL BGP
Title: SOLID CARBIDE THREAD MILL WITH HELICAL TAPERED FLUTES					
TMP-1961 PCT	HU	Hungary - Metalworking Products	229 112 16-Jul-2013	Granted 14-February-2021	MRL BGP
Title: SOLID CARBIDE THREAD MILL WITH HELICAL TAPERED FLUTES					
TMP-1961 EPP	EP	Italy - Metalworking Products	70219BE/2010 21-Apr-2010	Granted 14-February-2021	MRL BGP
Title: SOLID CARBIDE THREAD MILL WITH HELICAL TAPERED FLUTES					
TMP-1961 PCT	JP	Japan - Metalworking Products	4836385 07-Oct-2011	Granted 14-February-2021	MRL BGP
Title: SOLID CARBIDE THREAD MILL WITH HELICAL TAPERED FLUTES					
TMP-1961 EPP	EP	Liechtenstein - Metalworking Products	1257379 21-Apr-2010	Granted 14-February-2021	MRL BGP
Title: SOLID CARBIDE THREAD MILL WITH HELICAL TAPERED FLUTES					

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Docket Number Case Type	SubCase	Country Division	Patent Number Issue Date	Status Expiration Date	Attorneys
TMP-1961 PCT	MX	Mexico - Metalworking Products	236226 27-Apr-2006	Granted 14-February-2021	MRL BGP
Title: SOLID CARBIDE THREAD MILL WITH HELICAL TAPERED FLUTES					
TMP-1961 PCT	NO	Norway - Metalworking Products	0329814 20-Dec-2010	Granted 14-February-2021	MRL BGP
Title: SOLID CARBIDE THREAD MILL WITH HELICAL TAPERED FLUTES					
TMP-1961 EPP	EP	Portugal - Metalworking Products	20101000040975 21-Apr-2010	Granted 14-February-2021	MRL BGP
Title: SOLID CARBIDE THREAD MILL WITH HELICAL TAPERED FLUTES					
TMP-1961 EPP	EP	Spain - Metalworking Products	1257379 21-Apr-2010	Granted 14-February-2021	MRL BGP
Title: SOLID CARBIDE THREAD MILL WITH HELICAL TAPERED FLUTES					
TMP-1961 EPP	EP	Sweden - Metalworking Products	1257379 21-Apr-2010	Granted 14-February-2021	MRL BGP
Title: SOLID CARBIDE THREAD MILL WITH HELICAL TAPERED FLUTES					
TMP-1961 EPP	EP	Switzerland - Metalworking Products	1257379 21-Apr-2010	Granted 14-February-2021	MRL BGP
Title: SOLID CARBIDE THREAD MILL WITH HELICAL TAPERED FLUTES					
TMP-1961 EPP	EP	United Kingdom - Metalworking Products	1257379 21-Apr-2010	Granted 14-February-2021	MRL BGP
Title: SOLID CARBIDE THREAD MILL WITH HELICAL TAPERED FLUTES					
TMP-1961 ORD	US	United States of America -- Metalworking Products	6,345,941 12-Feb-2002	Granted 23-February-2020	MRL BGP
Title: SOLID CARBIDE THREAD MILL WITH HELICAL TAPERED FLUTES					
TMP-1980 ORD	US	United States of America - Metalworking Products	6,315,325 13-Nov-2001	Granted 23-October-2020	MRL BGP
Title: MODULAR CHASSIS WEIGHT TUNING SYSTEM					

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Docket Number Case Type	SubCase	Country Division	Patent Number Issue Date	Status Expiration Date	Attorneys
TMP-2023 EPP	EP	Austria - Metalworking Products	1689899 27-Feb-2008	Granted 02-December-2024	MRL BGP
Title: ULTRAHYBRID CEMENTED CARBIDE COMPOSITES					
TMP-2023 EPP	EP	Belgium - Metalworking Products	1689899 27-Feb-2008	Granted 02-December-2024	MRL BGP
Title: ULTRAHYBRID CEMENTED CARBIDE COMPOSITES					
TMP-2023 PCT	CA	Canada - Metalworking Products	2546505 02-Jul-2013	Granted 02-December-2024	MRL BGP
Title: HYBRID CEMENTED CARBIDE COMPOSITES					
TMP-2023 EPP	EP	Czech Republic - Metalworking Products	1689899 27-Feb-2008	Granted 02-December-2024	MRL BGP
Title: HYBRID CEMENTED CARBIDE COMPOSITES					
TMP-2023 EPP	EP	Denmark - Metalworking Products	1689899 27-Feb-2008	Granted 02-December-2024	MRL BGP
Title: HYBRID CEMENTED CARBIDE COMPOSITES					
TMP-2023 PCT	EP	European Patent Convention - Metalworking Products	1689899 27-Feb-2008	Granted 02-December-2024	MRL BGP
Title: HYBRID CEMENTED CARBIDE COMPOSITES					
TMP-2023 EPP	EP	France - Metalworking Products	1689899 27-Feb-2008	Granted 02-December-2024	MRL BGP
Title: HYBRID CEMENTED CARBIDE COMPOSITES					
TMP-2023 EPP	EP	Germany - Metalworking Products	60 2004 012 147.9 27-Feb-2008	Granted 02-December-2024	MRL BGP
Title: HYBRID CEMENTED CARBIDE COMPOSITES					
TMP-2023 EPP	EP	Hungary - Metalworking Products	1689899 27-Feb-2008	Granted 02-December-2024	MRL BGP
Title: HYBRID CEMENTED CARBIDE COMPOSITES					
TMP-2023 PCT	IN	India - Metalworking Products	246006 09-Feb-2011	Granted 02-December-2024	MRL BGP
Title: ULTRAHYBRID CEMENTED CARBIDE COMPOSITES					

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Docket Number Case Type	SubCase	Country Division	Patent Number Issue Date	Status Expiration Date	Attorneys
TMP-2023 EPP	EP	Ireland - Metalworking Products	1689899 27-Feb-2008	Granted 02-December-2024	MRL BGP
Title: HYBRID CEMENTED CARBIDE COMPOSITES					
TMP-2023 PCT	IL	Israel - Metalworking Products	175641 01-Feb-2012	Granted 02-December-2024	MRL BGP
Title: ULTRAHYBRID CEMENTED CARBIDE COMPOSITES					
TMP-2023 EPP	EP	Italy - Metalworking Products	1689899 27-Feb-2008	Granted 02-December-2024	MRL BGP
Title: HYBRID CEMENTED CARBIDE COMPOSITES					
TMP-2023 PCT	JP	Japan - Metalworking Products	5155563 14-Dec-2012	Granted 02-December-2024	MRL BGP
Title: ULTRAHYBRID CEMENTED CARBIDE COMPOSITES					
TMP-2023 EPP	EP	Netherlands - Metalworking Products	1689899 27-Feb-2008	Granted 02-December-2024	MRL BGP
Title: HYBRID CEMENTED CARBIDE COMPOSITES					
TMP-2023 EPP	EP	Poland - Metalworking Products	1689899 27-Feb-2008	Granted 02-December-2024	MRL BGP
Title: HYBRID CEMENTED CARBIDE COMPOSITES					
TMP-2023 EPP	EP	Portugal - Metalworking Products	1689899 27-Feb-2008	Granted 02-December-2024	MRL BGP
Title: HYBRID CEMENTED CARBIDE COMPOSITES					
TMP-2023 EPP	EP	Spain - Metalworking Products	1689899 27-Feb-2008	Granted 02-December-2024	MRL BGP
Title: HYBRID CEMENTED CARBIDE COMPOSITES					
TMP-2023 EPP	EP	Sweden - Metalworking Products	1689899 27-Feb-2008	Granted 02-December-2024	MRL BGP
Title: HYBRID CEMENTED CARBIDE COMPOSITES					
TMP-2023 EPP	EP	Switzerland - Metalworking Products	1689899 27-Feb-2008	Granted 02-December-2024	MRL BGP
Title: HYBRID CEMENTED CARBIDE COMPOSITES					

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Docket Number Case Type	SubCase	Country Division	Patent Number Issue Date	Status Expiration Date	Attorneys
TMP-2023 ORD	TW	Taiwan - Metalworking Products	I-284677 01-Aug-2007	Granted 10-December-2024	MRL BGP
Title: ULTRAHYBRID CEMENTED CARBIDE COMPOSITES					
TMP-2023 EPP	EP	United Kingdom - Metalworking Products	1689899 27-Feb-2008	Granted 02-December-2024	MRL BGP
Title: HYBRID CEMENTED CARBIDE COMPOSITES					
TMP-2023 ORD	US	United States of America - Metalworking Products	7,384,443 10-Jun-2008	Granted 28-April-2025	MRL BGP
Title: ULTRAHYBRID CEMENTED CARBIDE COMPOSITES					
TMP-2034 PCT	CA	Canada - Metalworking Products	2520134 15-Jan-2013	Granted 02-March-2024	MRL BGP DRM
Title: ANTIROTATION TOOL HOLDER AND CUTTING INSERT					
TMP-2034 PCT	CN	China (People's Republic) - Metalworking Products	ZL200480009635.2 22-Apr-2009	Granted 01-March-2024	MRL BGP DRM
Title: METHOD FOR ACCURATELY AND SECURELY POSITIONING A ROUND SHAPE INSERT TO IMPROVE PERFORMANCE AND CONSISTENCY OF INSERT LIFE					
TMP-2034 PCT	JP	Japan - Metalworking Products	4908201 20-Jan-2012	Granted 02-March-2024	MRL BGP DRM
Title: METHOD FOR ACCURATELY AND SECURELY POSITIONING A ROUND SHAPE INSERT TO IMPROVE PERFORMANCE AND CONSISTENCY OF INSERT LIFE					
TMP-2034 PCT	KR	Korea, Republic of - Metalworking Products	1203783 15-Nov-2012	Granted 02-March-2024	MRL BGP DRM
Title: ANTIROTATION TOOL HOLDER AND CUTTING INSERT					
TMP-2034 PCT	MX	Mexico - Metalworking Products	278928 10-Sep-2010	Granted 02-March-2024	MRL BGP DRM
Title: METHOD FOR ACCURATELY AND SECURELY POSITIONING A ROUND SHAPE INSERT TO IMPROVE PERFORMANCE AND CONSISTENCY OF INSERT LIFE					
TMP-2034 PCT	RU	Russian Federation - Metalworking Products	2338630 20-Nov-2008	Granted 02-March-2024	MRL BGP DRM
Title: METHOD FOR ACCURATELY AND SECURELY POSITIONING A ROUND SHAPE INSERT TO IMPROVE PERFORMANCE AND CONSISTENCY OF INSERT LIFE					

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Docket Number Case Type	SubCase	Country Division	Patent Number Issue Date	Status Expiration Date	Attorneys
TMP-2034 ORD	TW	Taiwan - Metalworking Products	I320730 21-Feb-2010	Granted 30-March-2024	MRL BGP DRM
Title: METHOD FOR ACCURATELY AND SECURELY POSITIONING A ROUND SHAPE INSERT TO IMPROVE PERFORMANCE AND CONSISTENCY OF INSERT LIFE					
TMP-2034 CON	CON	United States of America - Metalworking Products	8,147,171 03-Apr-2012	Granted 06-July-2026	MRL BGP DRM
Title: ANTIROTATION TOOL HOLDER AND CUTTING INSERT					
TMP-2034 PCT	PCT	United States of America - Metalworking Products	7,908,945 22-Mar-2011	Granted 05-April-2024	MRL BGP DRM
Title: ANTIROTATION TOOL HOLDER AND CUTTING INSERT					
TMP-2034 ORD	US	United States of America - Metalworking Products	7,722,297 25-May-2010	Granted 23-November-2025	MRL BGP DRM
Title: ANTIROTATION TOOL HOLDER AND CUTTING INSERT					
TMP-2040 ORD	CA	Canada - Metalworking Products	2548139 22-Jan-2013	Granted 25-May-2026	MRL CGW
Title: HIGH EFFICIENCY NEUTRON SHIELD ARRAY					
TMP-2040 ORD	US	United States of America - Metalworking Products	7,312,466 25-Dec-2007	Granted 02-January-2026	MRL CGW
Title: HIGH EFFICIENCY SHIELD ARRAY					
TMP-2041 DIV	DIV	Mexico - Metalworking Products	308742 16-Apr-2013	Granted 14-April-2024	MRL BGP
Title: BISMUTH-BASED RADIATION SHIELDING					
TMP-2041 ORD	MX	Mexico - Metalworking Products	288435 18-Jul-2011	Granted 05-April-2025	MRL BGP
Title: BISMUTH-BASED RADIATION SHIELDING					
TMP-2043 PCT	AU	Australia - Metalworking Products	2004284049 10-Sep-2009	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EDV	DIV	Austria - Metalworking Products	1897643 21-Jul-2010	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					

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Docket Number Case Type	SubCase	Country Division	Patent Number Issue Date	Status Expiration Date	Attorneys
TMP-2043 EPP	EP	Austria - Metalworking Products	1689548 19-Dec-2007	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EDV	DIV	Belgium - Metalworking Products	1897643 21-Jul-2010	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EPP	EP	Belgium - Metalworking Products	1689548 19-Dec-2007	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 PCT	CA	Canada - Metalworking Products	2,541,901 08-Sep-2009	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 PCT	CN	China (People's Republic) - Metalworking Products	ZL200480035676.9 06-May-2009	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EDV	DIV	Czech Republic - Metalworking Products	1897643 21-Jul-2010	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 UTM	UTM	Czech Republic - Metalworking Products	20015 07-Sep-2009	Granted 21-November-2018	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EDV	DIV	Denmark - Metalworking Products	1897643 21-Jul-2010	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EPP	EP	Denmark - Metalworking Products	1689548 19-Dec-2007	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EDV	DIV	European Patent Convention - Metalworking Products	1897643 21-Jul-2010	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					

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TMP-2043 PCT	EP	European Patent Convention - Metalworking Products	1689548 19-Dec-2007	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EDV	DIV	Finland - Metalworking Products	1897643 21-Jul-2010	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EPP	EP	Finland - Metalworking Products	1689548 19-Dec-2007	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EDV	DIV	France - Metalworking Products	1897643 21-Jul-2010	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EPP	EP	France - Metalworking Products	1689548 19-Dec-2007	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EDV	DIV	Germany - Metalworking Products	60 2004 028 299.5 21-Jul-2010	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EPP	EP	Germany - Metalworking Products	60 2004010 844.8 19-Dec-2007	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 PCT	HK	Hong Kong - Metalworking Products	HK1094556 25-Apr-2008	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EDV	DIV	Hungary - Metalworking Products	1897643 21-Jul-2010	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EPP	EP	Hungary - Metalworking Products	1689548 19-Dec-2007	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					

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Docket Number Case Type	SubCase	Country Division	Patent Number Issue Date	Status Expiration Date	Attorneys
TMP-2043 EDV	DIV	Ireland - Metalworking Products	1897643 21-Jul-2010	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EPP	EP	Ireland - Metalworking Products	1689548 19-Dec-2007	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 PCT	IL	Israel - Metalworking Products	174891 16-Jul-2010	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EDV	DIV	Italy - Metalworking Products	1897643 21-Jul-2010	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EPP	EP	Italy - Metalworking Products	1689548 19-Dec-2007	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 PCT	JP	Japan - Metalworking Products	4603550 08-Oct-2010	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 PCT	KR	Korea, Republic of - Metalworking Products	0794092 04-Jan-2008	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 PCT	MX	Mexico - Metalworking Products	257161 16-May-2008	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EDV	DIV	Netherlands - Metalworking Products	1897643 21-Jul-2010	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EPP	EP	Netherlands - Metalworking Products	1689548 19-Dec-2007	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					

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Docket Number Case Type	SubCase	Country Division	Patent Number Issue Date	Status Expiration Date	Attorneys
TMP-2043 EDV	DIV	Norway - Metalworking Products	1897643 21-Jul-2010	Granted	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EDV	DIV	Poland - Metalworking Products	1897643 21-Jul-2010	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EPP	EP	Poland - Metalworking Products	1689548 19-Dec-2007	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EDV	DIV	Portugal - Metalworking Products	1897643 21-Jul-2010	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EPP	EP	Portugal - Metalworking Products	1689548 19-Dec-2007	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 PCT	RU	Russian Federation - Metalworking Products	2370349 20-Oct-2009	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EDV	DIV	Spain - Metalworking Products	1897643 21-Jul-2010	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EPP	EP	Spain - Metalworking Products	1689548 19-Dec-2007	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EDV	DIV	Sweden - Metalworking Products	1897643 21-Jul-2010	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EPP	EP	Sweden - Metalworking Products	1689548 19-Dec-2007	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					

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TMP-2043 EDV	DIV	Switzerland – Metalworking Products	1897643 21-Jul-2010	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EPP	EP	Switzerland – Metalworking Products	1689548 19-Dec-2007	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 ORD	TW	Taiwan – Metalworking Products	I330113 11-Sep-2010	Granted 16-September-2024	PJV JEG MRL
Title: CUT TOOLS FOR HIGH-FEED FACE MILLING					
TMP-2043 EDV	DIV	United Kingdom – Metalworking Products	1897643 21-Jul-2010	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 EPP	EP	United Kingdom – Metalworking Products	1689548 19-Dec-2007	Granted 05-October-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 CON	CON	United States of America – Metalworking Products	7,600,952 13-Oct-2009	Granted 15-October-2023	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH FEED FACE MILLING					
TMP-2043 CON	CON2	United States of America – Metalworking Products	7,806,634 05-Oct-2010	Granted 29-January-2024	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH FEED FACE MILLING, AND MILLING CUTTER TOOL INCLUDING SAME					
TMP-2043 CON	CON3	United States of America – Metalworking Products	7,988,387 02-Aug-2011	Granted 15-October-2023	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH FEED FACE MILLING					
TMP-2043 CON	CON4	United States of America – Metalworking Products	8,162,572 24-Apr-2012	Granted 15-October-2023	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH FEED FACE MILLING					
TMP-2043 CON	CON5	United States of America – Metalworking Products	8,444,352 21-May-2013	Granted 15-October-2023	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH FEED FACE MILLING					

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TMP-2043 ORD	US	United States of America - Metalworking Products	7,220,083 22-May-2007	Granted 07-November-2023	PJV JEG MRL
Title: CUT TOOLS FOR HIGH-FEED FACE MILLING					
TMP-2047 ORD	CA	Canada - Metalworking Products	2512347 18-Dec-2012	Granted 15-July-2025	MRL BGP
Title: REMOVABLE TAP CHASERS AND TAP SYSTEMS INCLUDING THE SAME					
TMP-2047 ORD	CN	China (People's Republic) - Metalworking Products	200510087867 27-Mar-2013	Granted 01-August-2025	MRL BGP
Title: REMOVABLE TAP CHASERS AND TAP SYSTEMS INCLUDING THE SAME					
TMP-2047 ORD	MX	Mexico - Metalworking Products	266493 04-May-2009	Granted 08-July-2025	MRL BGP
Title: REPLACEABLE CARBIDE TAP CHASERS INCORPORATED WITH A COLLAPSIBLE OR ADJUSTABLE TAP SYSTEM					
TMP-2055 PCT	AU	Australia - Metalworking Products	2005252629 12-May-2011	Granted 05-May-2025	MRL BGP
Title: AL2O3 CERAMIC TOOLS WITH DIFFUSION BONDING ENHANCED LAYER					
TMP-2055 PCT	CN	China (People's Republic) - Metalworking Products	ZL200580020993.8 16-Jun-2010	Granted 05-May-2025	MRL BGP
Title: AL2O3 CERAMIC TOOLS WITH DIFFUSION ENHANCED LAYER					
TMP-2055 RCN	CNHK	Hong Kong - Metalworking Products	HK1104586B 22-Oct-2010	Granted 05-May-2025	MRL BGP
Title: AL2O3 CERAMIC TOOLS WITH DIFFUSION BONDING ENHANCED LAYER					
TMP-2055 PCT	IN	India - Metalworking Products	250466 04-Jan-2012	Granted 05-May-2025	MRL BGP
Title: AL2O3 CERAMIC TOOLS WITH DIFFUSION BONDING ENHANCED LAYER					
TMP-2055 PCT	IL	Israel - Metalworking Products	0179122 31-Jul-2012	Granted 05-May-2025	MRL BGP
Title: ZR-BASED AL2O3 CERAMIC CUTTING INSERTS WITH DIFFUSION BONDING-ENHANCED CVD COATINGS					
TMP-2055 PCT	JP	Japan - Metalworking Products	5078615 07-Sep-2012	Granted 05-May-2025	MRL BGP
Title: ZR-BASED AL2O3 CERAMIC CUTTING INSERTS WITH DIFFUSION BONDING-ENHANCED CVD COATINGS					

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TMP-2055 PCT	KR	Korea, Republic of - Metalworking Products	1178978 27-Aug-2012	Granted 05-May-2025	MRL BGP
Title: AL2O3 Ceramic Tools with Diffusion Bonding Enhanced Layer					
TMP-2055 DIV	DIV1	Mexico - Metalworking Products	285949 20-Apr-2011	Granted 05-May-2025	MRL BGP
Title: ZR-BASED AL2O3 CERAMIC CUTTING INSERTS WITH DIFFUSION BONDING-ENHANCED CVD COATINGS					
TMP-2055 DIV	DIV2	Mexico- Metalworking Products	303687 25-Sep-2012	Granted 05-May-2025	MRL BGP
Title: ZR-BASED AL2O3 CERAMIC CUTTING INSERTS WITH DIFFUSION BONDING-ENHANCED CVD COATINGS					
TMP-2055 PCT	MX	Mexico- Metalworking Products	281524 30-Nov-2010	Granted 05-May-2025	MRL BGP
Title: ZR-BASED AL2O3 CERAMIC CUTTING INSERTS WITH DIFFUSION BONDING-ENHANCED CVD COATINGS					
TMP-2055 PCT	RU	Russian Federation- Metalworking Products	2392350 20-Jun-2010	Granted 05-May-2025	MRL BGP
Title: ZR-BASED AL2O3 CERAMIC CUTTING INSERTS WITH DIFFUSION BONDING-ENHANCED CVD COATINGS					
TMP-2055 PCT	SG	Singapore - Metalworking Products	127421 30-Jun-2009	Granted 05-May-2025	MRL BGP
Title: ZR-BASED AL2O3 CERAMIC CUTTING INSERTS WITH DIFFUSION BONDING-ENHANCED CVD COATINGS					
TMP-2055 ORD	TW	Taiwan - Metalworking Products	I-299368 01-Aug-2008	Granted 16-May-2025	MRL BGP
Title: Al2O3 CERAMIC TOOLS WITH DIFFUSION BONDING ENHANCED LAYER					
TMP-2055 DIV	DIV1	United States of America - Metalworking Products	8,147,992 03-Apr-2012	Granted 14-November-2024	MRL BGP
Title: AL2O3 CERAMIC TOOLS WITH DIFFUSION BONDING ENHANCED LAYER					
TMP-2055 DIV	DIV2	United States of America - Metalworking Products	7,968,147 28-Jun-2011	Granted 21-July-2024	MRL BGP
Title: METHOD OF FORMING A DIFFUSION BONDING ENHANCED LAYER ON AL2O3 CERAMIC TOOLS					
TMP-2055 PCT	PCT	United States of America - Metalworking Products	7,914,913 29-Mar-2011	Granted 05-November-2026	MRL BGP
Title: Al2O3 Ceramic Tool with Diffusion Bonding Enhanced Layer					

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TMP-2055 PRI	US	United States of America – Metalworking Products	7,581,906 01-Sep-2009	Granted 17-September-2025	MRL BGP
Title: AL203 CERAMIC TOOLS WITH DIFFUSION BONDING ENHANCED LAYER					
TMP-2059 ORD	CA	Canada – Metalworking Products	2529995 25-Sep-2012	Granted 13-December-2025	MRL BGP
Title: CEMENTED CARBIDE INSERTS FOR EARTH BORING BITS					
TMP-2059 DIV	DIV	Canada – Metalworking Products	2781651 09-Jul-2013	Granted 14-December-2024	MRL BGP
Title: CEMENTED CARBIDE INSERTS FOR EARTH BORING BITS					
TMP-2059 ORD	US	United States of America – Metalworking Products	7,513,320 07-Apr-2009	Granted 11-October-2025	MRL BGP
Title: CEMENTED CARBIDE INSERTS FOR EARTH-BORING BITS					
TMP-2060 EPP	EP	Austria Metalworking Products	E 510,937 25-May-2011	Granted 26-July-2025	MRL BGP DRM
Title: PVD COATED RUTHENIUM FEATURED CUTTING INSERTS					
TMP-2060 EPP	EP	Belgium Metalworking Products	1786954 25-May-2011	Granted 26-July-2025	MRL BGP DRM
Title: PVD COATED RUTHENIUM FEATURED CUTTING INSERTS					
TMP-2060 EPP	EP	Czech Republic Metalworking Products	1786954 25-May-2011	Granted 26-July-2025	MRL BGP DRM
Title: PVD COATED RUTHENIUM FEATURED CUTTING INSERTS					
TMP-2060 EPP	EP	Denmark – Metalworking Products	1786954 25-May-2011	Granted 26-July-2025	MRL BGP DRM
Title: PVD COATED RUTHENIUM FEATURED CUTTING INSERTS					
TMP-2060 PCT	EP	European Patent Convention – Metalworking Products	1786954 25-May-2011	Granted 26-July-2025	MRL BGP DRM
Title: PVD COATED RUTHENIUM FEATURED CUTTING INSERTS					
TMP-2060 EPP	EP	Finland – Metalworking Products	1786954 25-May-2011	Granted 26-July-2025	MRL BGP DRM
Title: PVD COATED RUTHENIUM FEATURED CUTTING INSERTS					

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TMP-2060 EPP	EP	France - Metalworking Products	1786954 25-May-2011	Granted 26-July-2025	MRL BGP DRM
Title: PVD COATED RUTHENIUM FEATURED CUTTING INSERTS					
TMP-2060 EPP	EP	Germany - Metalworking Products	60 2005 028 258.0 25-May-2011	Granted 26-July-2025	MRL BGP DRM
Title: PVD COATED RUTHENIUM FEATURED CUTTING INSERTS					
TMP-2060 EPP	EP	Hungary - Metalworking Products	E05776334 25-May-2011	Granted 26-July-2025	MRL BGP DRM
Title: PVD COATED RUTHENIUM FEATURED CUTTING INSERTS					
TMP-2060 EPP	EP	Ireland - Metalworking Products	1786954 25-May-2011	Granted 26-July-2025	MRL BGP DRM
Title: PVD COATED RUTHENIUM FEATURED CUTTING INSERTS					
TMP-2060 EPP	EP	Italy - Metalworking Products	69977 BE/2011 25-May-2011	Granted 26-July-2025	MRL BGP DRM
Title: PVD COATED RUTHENIUM FEATURED CUTTING INSERTS					
TMP-2060 EPP	EP	Netherlands - Metalworking Products	1786954 25-May-2011	Granted 26-July-2025	MRL BGP DRM
Title: PVD COATED RUTHENIUM FEATURED CUTTING INSERTS					
TMP-2060 EPP	EP	Poland - Metalworking Products	1786954 25-May-2011	Granted 26-July-2025	MRL BGP DRM
Title: PVD COATED RUTHENIUM FEATURED CUTTING INSERTS					
TMP-2060 EPP	EP	Portugal - Metalworking Products	1786954 25-May-2011	Granted 26-July-2025	MRL BGP DRM
Title: PVD COATED RUTHENIUM FEATURED CUTTING INSERTS					
TMP-2060 EPP	EP	Spain - Metalworking Products	1786954 25-May-2011	Granted 26-July-2025	MRL BGP DRM
Title: PVD COATED RUTHENIUM FEATURED CUTTING INSERTS					
TMP-2060 EPP	EP	Sweden - Metalworking Products	1786954 25-May-2011	Granted 26-July-2025	MRL BGP DRM
Title: PVD COATED RUTHENIUM FEATURED CUTTING INSERTS					

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TMP-2060 EPP	EP	Switzerland – Metalworking Products	1786954 25-May-2011	Granted 26-July-2025	MRL BGP DRM
Title: PVD COATED RUTHENIUM FEATURED CUTTING INSERTS					
TMP-2060 EPP	EP	United Kingdom – Metalworking Products	1786954 25-May-2011	Granted 26-July-2025	MRL BGP DRM
Title: PVD COATED RUTHENIUM FEATURED CUTTING INSERTS					
TMP-2060 ORD	US	United States of America – Metalworking Products	7,244,519 17-Jul-2007	Granted 11-March-2025	MRL BGP DRM
Title: PVD COATED RUTHENIUM FEATURED CUTTING INSERTS					
TMP-2080 EPP	EP	Austria – Metalworking Products	1915227 08-May-2013	Granted 17-August-2026	MRL BGP DRM
Title: COMPOSITE CEMENTED CARBIDE INSERTS FOR MODULAR ROTARY TOOLS					
TMP-2080 EPP	EP	Belgium – Metalworking Products	1915227 08-May-2013	Granted 17-August-2026	MRL BGP DRM
Title: COMPOSITE CEMENTED CARBIDE INSERTS FOR MODULAR ROTARY TOOLS					
TMP-2080 PCT	CN	China (People's Republic) – Metalworking Products	ZL200680025985.7 29-May-2013	Granted 17-August-2026	MRL BGP DRM
Title: COMPOSITE CUTTING INSERTS AND METHODS OF MAKING THE SAME					
TMP-2080 EPP	EP	Czech Republic – Metalworking Products	1915227 08-May-2013	Granted 17-August-2026	MRL BGP DRM
Title: COMPOSITE CEMENTED CARBIDE INSERTS FOR MODULAR ROTARY TOOLS					
TMP-2080 EPP	EP	Denmark – Metalworking Products	1915227 08-May-2013	Granted 17-August-2026	MRL BGP DRM
Title: COMPOSITE CEMENTED CARBIDE INSERTS FOR MODULAR ROTARY TOOLS					
TMP-2080 PCT	EP	European Patent Convention – Metalworking Products	1915227 08-May-2013	Granted 17-August-2026	MRL BGP DRM
Title: COMPOSITE CEMENTED CARBIDE INSERTS FOR MODULAR ROTARY TOOLS					
TMP-2080 EPP	EP	France – Metalworking Products	1915227 08-May-2013	Granted 17-August-2026	MRL BGP DRM
Title: COMPOSITE CEMENTED CARBIDE INSERTS FOR MODULAR ROTARY TOOLS					

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Docket Number Case Type	SubCase	Country Division	Patent Number Issue Date	Status Expiration Date	Attorneys
TMP-2080 EPP	EP	Germany - Metalworking Products	1915227 08-May-2013	Granted 17-August-2026	MRL BGP DRM
Title: COMPOSITE CEMENTED CARBIDE INSERTS FOR MODULAR ROTARY TOOLS					
TMP-2080 EPP	EP	Hungary - Metalworking Products	1915227 08-May-2013	Granted 17-August-2026	MRL BGP DRM
Title: COMPOSITE CEMENTED CARBIDE INSERTS FOR MODULAR ROTARY TOOLS					
TMP-2080 EPP	EP	Ireland - Metalworking Products	1915227 08-May-2013	Granted 17-August-2026	MRL BGP DRM
Title: COMPOSITE CEMENTED CARBIDE INSERTS FOR MODULAR ROTARY TOOLS					
TMP-2080 PCT	IL	Israel - Metalworking Products	187712 29-May-2011	Granted 17-August-2026	MRL BGP DRM
Title: COMPOSITE CUTTING INSERTS AND METHODS OF MAKING THE SAME					
TMP-2080 EPP	EP	Italy - Metalworking Products	1915227 08-May-2013	Granted 17-August-2026	MRL BGP DRM
Title: COMPOSITE CEMENTED CARBIDE INSERTS FOR MODULAR ROTARY TOOLS					
TMP-2080 EPP	EP	Netherlands - Metalworking Products	1915227 08-May-2013	Granted 17-August-2026	MRL BGP DRM
Title: COMPOSITE CEMENTED CARBIDE INSERTS FOR MODULAR ROTARY TOOLS					
TMP-2080 EPP	EP	Poland - Metalworking Products	1915227 08-May-2013	Granted 17-August-2026	MRL BGP DRM
Title: COMPOSITE CEMENTED CARBIDE INSERTS FOR MODULAR ROTARY TOOLS					
TMP-2080 PCT	PCT	Russian Federation - Metalworking Products	2429944 27-Sep-2011	Granted 17-August-2026	MRL BGP DRM
Title: COMPOSITE CEMENTED CARBIDE INSERTS FOR MODULAR ROTARY TOOLS					
TMP-2080 EPP	EP	Sweden - Metalworking Products	1915227 08-May-2013	Granted 17-August-2026	MRL BGP DRM
Title: COMPOSITE CEMENTED CARBIDE INSERTS FOR MODULAR ROTARY TOOLS					
TMP-2080 EPP	EP	Switzerland - Metalworking Products	1915227 08-May-2013	Granted 17-August-2026	MRL BGP DRM
Title: COMPOSITE CEMENTED CARBIDE INSERTS FOR MODULAR ROTARY TOOLS					

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TMP-2080 ORD	TW	Taiwan - Metalworking Products	I-311085 21-Jun-2009	Granted 11-August-2026	MRL BGP DRM
Title: COMPOSITE CEMENTED CARBIDE INSERTS FOR MODULAR ROTARY TOOLS					
TMP-2080 EPP	EP	United Kingdom - Metalworking Products	1915227 08-May-2013	Granted 17-August-2026	MRL BGP DRM
Title: COMPOSITE CEMENTED CARBIDE INSERTS FOR MODULAR ROTARY TOOLS					
TMP-2080 ORD	US	United States of America - Metalworking Products	7,687,156 30-Mar-2010	Granted 01-July-2026	MRL BGP DRM
Title: COMPOSITE CEMENTED CARBIDE INSERTS FOR MODULAR ROTARY TOOLS					
TMP-2089 PCT	JP	Japan - Metalworking Products	5288309 14-Jun-2013	Granted 14-June-2026	MRL BGP
Title: COMPOSITE ARTICLE WITH COOLANT CHANNELS AND TOOL FABRICATION					
TMP-2089 PCT	PCT	Ukraine -- Metalworking Products	95912 26-Sep-2011	Granted 14-June-2026	MRL BGP
Title: COMPOSITE ARTICLE WITH COOLANT CHANNELS AND TOOL FABRICATION					
TMP-2089 CIP	CIP	United States of America - Metalworking Products	8,318,063 27-Nov-2012	Granted 21-May-2026	MRL BGP
Title: Injection Molding Fabrication Method					
TMP-2103 EPP	PCT	Austria - Metalworking Products	E 512.278 08-Jun-2011	Granted 20-April-2027	MRL BGP
Title: MODULAR FIXED-CUTTER EARTH BORING BITS, MODULAR FIXED CUTTER EARTH-BORING BIT BODIES, AND RELATED METHODS					
TMP-2103 EPP	PCT	Belgium - Metalworking Products	2024599 08-Jun-2011	Granted 20-April-2027	MRL BGP
Title: MODULAR FIXED-CUTTER EARTH BORING BITS, MODULAR FIXED CUTTER EARTH-BORING BIT BODIES, AND RELATED METHODS					
TMP-2103 PCT	PCT	European Patent Convention - Metalworking Products	2024599 08-Jun-2011	Granted 20-April-2027	MRL BGP
Title: MODULAR FIXED-CUTTER EARTH BORING BITS, MODULAR FIXED CUTTER EARTH-BORING BIT BODIES, AND RELATED METHODS					

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TMP-2103 EPP	PCT	France - Metalworking Products	2024599 08-Jun-2011	Granted 20-April-2027	MRL BGP
Title: MODULAR FIXED-CUTTER EARTH BORING BITS, MODULAR FIXED CUTTER EARTH-BORING BIT BODIES, AND RELATED METHODS					
TMP-2103 EPP	PCT	Germany - Metalworking Products	602007015096.5 08-Jun-2011	Granted 20-April-2027	MRL BGP
Title: MODULAR FIXED-CUTTER EARTH BORING BITS, MODULAR FIXED CUTTER EARTH-BORING BIT BODIES, AND RELATED METHODS					
TMP-2103 EPP	PCT	Luxembourg - Metalworking Products	2024599 08-Jun-2011	Granted 20-April-2027	MRL BGP
Title: MODULAR FIXED-CUTTER EARTH BORING BITS, MODULAR FIXED CUTTER EARTH-BORING BIT BODIES, AND RELATED METHODS					
TMP-2103 PCT	PCT	Mexico - Metalworking Products	293437 09-Dec-2011	Granted 20-April-2027	MRL BGP
Title: MODULAR FIXED-CUTTER EARTH BORING BITS, MODULAR FIXED CUTTER EARTH-BORING BIT BODIES, AND RELATED METHODS					
TMP-2103 EPP	PCT	Netherlands - Metalworking Products	2024599 08-Jun-2011	Granted 20-April-2027	MRL BGP
Title: MODULAR FIXED-CUTTER EARTH BORING BITS, MODULAR FIXED CUTTER EARTH-BORING BIT BODIES, AND RELATED METHODS					
TMP-2103 PCT	PCT	Russian Federation - Metalworking Products	2432445 27-Oct-2011	Granted 20-April-2027	MRL BGP
Title: MODULAR FIXED-CUTTER EARTH BORING BITS, MODULAR FIXED CUTTER EARTH-BORING BIT BODIES, AND RELATED METHODS					
TMP-2103 EPP	PCT	Spain - Metalworking Products	2024599 08-Jun-2011	Granted 20-April-2027	MRL BGP
Title: MODULAR FIXED-CUTTER EARTH BORING BITS, MODULAR FIXED CUTTER EARTH-BORING BIT BODIES, AND RELATED METHODS					
TMP-2103 EPP	PCT	Sweden - Metalworking Products	2024599 08-Jun-2011	Granted 20-April-2027	MRL BGP
Title: MODULAR FIXED-CUTTER EARTH BORING BITS, MODULAR FIXED CUTTER EARTH-BORING BIT BODIES, AND RELATED METHODS					

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Docket Number Case Type	SubCase	Country Division	Patent Number Issue Date	Status Expiration Date	Attorneys
TMP-2103 EPP	PCT	Switzerland – Metalworking Products	2024599 08-Jun-2011	Granted 20-April-2027	MRL BGP
Title: MODULAR FIXED-CUTTER EARTH BORING BITS, MODULAR FIXED CUTTER EARTH-BORING BIT BODIES, AND RELATED METHODS					
TMP-2103 EPP	PCT	United Kingdom – Metalworking Products	2024599 08-Jun-2011	Granted 20-April-2027	MRL BGP
Title: MODULAR FIXED-CUTTER EARTH BORING BITS, MODULAR FIXED CUTTER EARTH-BORING BIT BODIES, AND RELATED METHODS					
TMP-2103 ORD	US	United States of America – Metalworking Products	8,312,941 20-Nov-2012	Granted 08-April-2028	MRL BGP
Title: MODULAR FIXED-CUTTER EARTH BORING BITS, MODULAR FIXED CUTTER EARTH-BORING BIT BODIES, AND RELATED METHODS					
TMP-2105 PCT	PCT	Russian Federation - Metalworking Products	2465098 27-Oct-2012	Granted 15-February-2028	MRL BGP
Title: Carbide Cutting Insert					
TMP-2105 ORD	TW	Taiwan – Metalworking Products	I-333435 21-Nov-2010	Granted 12-November-2027	MRL BGP
Title: Disclosure Title: RUTHENIUM-FEATURED CARBIDE CUTTING INSERT WITH HfCN-BASED COATING Application Title: Carbide Cutting Insert					
TMP-2105 PRI	US	United States of America – Metalworking Products	8,512,882 20-Aug-2013	Granted 07-September-2029	MRL BGP
Title: CARBIDE CUTTING INSERT					
TMP-2106 PCT	PCT	China (People's Republic) – Metalworking Products	200780036791 18-Jul-2012	Granted 25-October-2027	MRL
Title: ARTICLES HAVING IMPROVED RESISTANCE TO THERMAL CRACKING					
TMP-2106 PCT	PCT	Japan - Metalworking Products	5330255 02-Aug-2013	Granted 25-October-2027	MRL
Title: ARTICLES HAVING IMPROVED RESISTANCE TO THERMAL CRACKING					
TMP-2106 ORD	US	United States of America – Metalworking Products	8,007,922 30-Aug-2011	Granted 14-March-2029	MRL
Title: ARTICLES HAVING IMPROVED RESISTANCE TO THERMAL CRACKING					

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TMP-2108 EDV	DIV	Austria - Metalworking Products	E 554.872 25-Apr-2012	Granted 07-December-2027	PJV MRL
Title: Cutting Insert, Tool Holder, and Related Method					
TMP-2108 EDV	DIV	Belgium - Metalworking Products	2077174 25-Apr-2012	Granted 07-December-2027	PJV MRL
Title: Cutting Insert, Tool Holder, and Related Method					
TMP-2108 PCT	PCT	Canada - Metalworking Products	2663654 16-Jul-2013	Granted 07-December-2027	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					
TMP-2108 PCT	PCT	China (People's Republic) - Metalworking Products	ZL200780036526.3 01-Feb-2012	Granted 07-December-2027	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					
TMP-2108 EDV	DIV	Czech Republic - Metalworking Products	2077174 25-Apr-2012	Granted 07-December-2027	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					
TMP-2108 EDV	DIV	Denmark - Metalworking Products	2077174 25-Apr-2012	Granted 07-December-2027	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					
TMP-2108 DIV	DIV	European Patent Convention - Metalworking Products	2077174 25-Apr-2012	Granted 07-December-2027	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					
TMP-2108 EDV	DIV	Finland - Metalworking Products	2077174 28-Apr-2012	Granted 07-December-2027	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					
TMP-2108 EDV	DIV	France - Metalworking Products	2077174 25-Apr-2012	Granted 07-December-2027	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					
TMP-2108 EDV	DIV	Germany - Metalworking Products	60 2007 022 338.5 25-Apr-2012	Granted 07-December-2027	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					

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Docket Number Case Type	SubCase	Country Division	Patent Number Issue Date	Status Expiration Date	Attorneys
TMP-2108 EDV	DIV	Hungary - Metalworking Products	2077174 25-Apr-2012	Granted 07-December-2027	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					
TMP-2108 EDV	DIV	Ireland - Metalworking Products	2077174 25-Apr-2012	Granted 07-December-2027	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					
TMP-2108 EDV	DIV	Italy - Metalworking Products	70554 BE/2012 25-Apr-2012	Granted 07-December-2027	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					
TMP-2108 PCT	PCT	Korea, Republic of - Metalworking Products	10-1262440 02-May-2013	Granted 07-December-2027	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					
TMP-2108 EDV	DIV	Liechtenstein - Metalworking Products	2077174 25-Apr-2012	Granted 07-December-2027	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					
TMP-2108 EDV	DIV	Netherlands - Metalworking Products	2077174 25-Apr-2012	Granted 07-December-2027	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					
TMP-2108 EDV	DIV	Poland - Metalworking Products	2077174 25-Apr-2012	Granted 07-December-2027	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					
TMP-2108 EDV	DIV	Portugal - Metalworking Products	2077174 25-Apr-2012	Granted 07-December-2027	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					
TMP-2108 PCT	PCT	Russian Federation - Metalworking Products	2465105 27-Oct-2012	Granted 07-December-2027	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					
TMP-2108 EDV	DIV	Sweden - Metalworking Products	2077174 25-Apr-2012	Granted 07-December-2027	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					

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Docket Number Case Type	SubCase	Country Division	Patent Number Issue Date	Status Expiration Date	Attorneys
TMP-2108 EDV	DIV	Switzerland - Metalworking Products	2077174 25-Apr-2012	Granted 07-December-2027	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					
TMP-2108 ORD	TW	Taiwan - Metalworking Products	I-343846 21-Jun-2011	Granted 06-December-2027	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					
TMP-2108 EDV	DIV	United Kingdom - Metalworking Products	2077174 25-Apr-2012	Granted 07-December-2027	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					
TMP-2108 ORD	US	United States of America - Metalworking Products	7,905,687 15-Mar-2011	Granted 03-May-2027	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					
TMP-2113 PCT	PCT	Russian Federation - Metalworking Products	2470742 27-Dec-2012	Granted 06-November-2028	PJV MRL
Title: ROTARY BURR COMPRISING CEMENTED CARBIDE					
TMP-2114 EPP	PCT	Austria - Metalworking Products	E 524.568 14-Sep-2011	Granted 06-March-2028	PJV MRL BGP
Title: COMPOSITE ARTICLES					
TMP-2114 EPP	PCT	Belgium - Metalworking Products	2134881 14-Sep-2011	Granted 06-March-2028	PJV MRL BGP
Title: COMPOSITE ARTICLES					
TMP-2114 EPP	PCT	Denmark - Metalworking Products	2134881 14-Sep-2011	Granted 06-March-2028	PJV MRL BGP
Title: COMPOSITE ARTICLES					
TMP-2114 PCT	PCT	European Patent Convention - Metalworking Products	2134881 14-Sep-2011	Granted 06-March-2028	PJV MRL BGP
Title: COMPOSITE ARTICLES					
TMP-2114 EPP	PCT	Finland - Metalworking Products	2134881 14-Sep-2011	Granted 06-March-2028	PJV MRL BGP
Title: COMPOSITE ARTICLES					

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Docket Number Case Type	SubCase	Country Division	Patent Number Issue Date	Status Expiration Date	Attorneys
TMP-2114 EPP	PCT	France - Metalworking Products Title: COMPOSITE ARTICLES	2134881 14-Sep-2011	Granted 06-March-2028	PJV MRL BGP
TMP-2114 EPP	PCT	Germany - Metalworking Products Title: COMPOSITE ARTICLES	60 2008 009 807.9 14-Sep-2011	Granted 06-March-2028	PJV MRL BGP
TMP-2114 EPP	PCT	Hungary - Metalworking Products Title: COMPOSITE ARTICLES	E08743705 14-Sep-2011	Granted 06-March-2028	PJV MRL BGP
TMP-2114 EPP	PCT	Ireland - Metalworking Products Title: COMPOSITE ARTICLES	2134881 14-Sep-2011	Granted 06-March-2028	PJV MRL BGP
TMP-2114 EPP	PCT	Italy - Metalworking Products Title: COMPOSITE ARTICLES	71969/BE/2011 14-Sep-2011	Granted 06-March-2028	PJV MRL BGP
TMP-2114 PCT	PCT	Mexico - Metalworking Products Title: COMPOSITE ARTICLES	288425 08-Jul-2011	Granted 06-March-2028	PJV MRL BGP
TMP-2114 EPP	PCT	Netherlands - Metalworking Products Title: COMPOSITE ARTICLES	2134881 14-Sep-2011	Granted 06-March-2028	PJV MRL BGP
TMP-2114 EPP	PCT	Norway - Metalworking Products Title: COMPOSITE ARTICLES	2134881 14-Sep-2011	Granted 06-March-2028	PJV MRL BGP
TMP-2114 EPP	PCT	Poland - Metalworking Products Title: COMPOSITE ARTICLES	2134881 14-Sep-2011	Granted 06-March-2028	PJV MRL BGP
TMP-2114 EPP	PCT	Portugal - Metalworking Products Title: COMPOSITE ARTICLES	2134881 14-Sep-2011	Granted 06-March-2028	PJV MRL BGP

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TMP-2114 PCT	PCT	Russian Federation - Metalworking Products Title: COMPOSITE ARTICLES	2467085 20-Nov-2012	Granted 06-March-2028	PJV MRL BGP
TMP-2114 EPP	PCT	Sweden - Metalworking Products Title: COMPOSITE ARTICLES	2134881 14-Sep-2011	Granted 06-March-2028	PJV MRL BGP
TMP-2114 ORD	TW	Taiwan - Metalworking Products Title: COMPOSITE ARTICLES	I-350220 11-Oct-2011	Granted 11-March-2028	PJV MRL BGP
TMP-2114 EPP	PCT	United Kingdom - Metalworking Products Title: COMPOSITE ARTICLES	2134881 14-Sep-2011	Granted 06-March-2028	PJV MRL BGP
TMP-2114 CON	CON	United States of America - Metalworking Products Title: COMPOSITE ARTICLES	8,137,816 20-Mar-2012	Granted 16-March-2027	PJV MRL BGP
TMP-2114 PRI	US	United States of America - Metalworking Products Title: COMPOSITE ARTICLES	7,846,551 07-Dec-2010	Granted 19-March-2028	PJV MRL BGP
TMP-2120 PRI	US	United States of America - Metalworking Products Title: EARTH BORING BIT PARTS INCLUDING HYBRID CEMENTED CARBIDES AND METHODS OF MAKING THE SAME	8,322,465 04-Dec-2012	Granted 18-September-2028	PJV MRL
TMP-2121 CON	CON	United States of America - Metalworking Products Title: METHOD FOR MAKING AMMONIUM METATUNGSTATE	8,435,483 07-May-2013	Granted 12-August-2028	PJV MRL
TMP-2121 PRI	US	United States of America - Metalworking Products Title: METHOD FOR MAKING AMMONIUM METATUNGSTATE	7,794,686 14-Sep-2010	Granted 12-August-2028	PJV MRL
TMP-2123 PCT	PCT	South Africa - Metalworking Products Title: CEMENTED CARBIDE - METALLIC ALLOY COMPOSITES	2010/08339 24-Apr-2013	Granted 02-June-2029	PJV MRL

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Docket Number Case Type	SubCase	Country Division	Patent Number Issue Date	Status Expiration Date	Attorneys
TMP-2123 ORD	US	United States of America – Metalworking Products	8,221,517 17-Jul-2012	Granted 07-July-2030	PJV MRL
Title: CEMENTED CARBIDE - METALLIC ALLOY COMPOSITES					
TMP-2126 ORD	TW	Taiwan – Metalworking Products	I-365786 11-Jun-2012	Granted 26-March-2029	PJV MRL
Title: CUTTING TOOL SYSTEM, CUTTING INSERT, AND TOOL HOLDER					
TMP-2126 CON	CON	United States of America – Metalworking Products	8,454,279 04-Jun-2013	Granted 12-October-2028	PJV MRL
Title: CUTTING TOOL SYSTEM, CUTTING INSERT, AND TOOL HOLDER					
TMP-2126 PRI	US	United States of America – Metalworking Products	7,905,689 15-Mar-2011	Granted 04-August-2029	PJV MRL
Title: CUTTING TOOL SYSTEM, CUTTING INSERT, AND TOOL HOLDER					
TMP-2133 PRI	US	United States of America – Metalworking Products	8,440,314 14-May-2013	Granted 16-October-2030	PJV JEG
Title: COATED CUTTING TOOLS HAVING A PLATINUM GROUP METAL CONCENTRATION GRADIENT AND RELATED					
TMP-2136/2140 CON	CC1	United States of America – Metalworking Products	8,459,380 11-Jun-2013	Granted 11-August-2031	PJV MRL
Title: EARTH-BORING BITS AND OTHER PARTS INCLUDING CEMENTED CARBIDE					
TMP-2136/2140 CON	CON	United States of America – Metalworking Products	8,225,886 24-Jul-2012	Granted 22-August-2028	PJV MRL
Title: EARTH-BORING BITS AND OTHER PARTS INCLUDING CEMENTED CARBIDE					
TMP-2136/2140 PRI	US	United States of America – Metalworking Products	8,025,112 27-Sep-2011	Granted 19-May-2029	PJV MRL
Title: EARTH-BORING BITS AND OTHER PARTS INCLUDING CEMENTED CARBIDE					
TMP-2142 PRI	US	United States of America – Metalworking Products	8,272,816 25-Sep-2012	Granted 20-February-2031	PJV MRL
Title: COMPOSITE CEMENTED CARBIDE ROTARY TOOLS					
TMP-2149 CIP	CIP	United States of America – Metalworking Products	8,491,234 23-Jul-2013	Granted 20-June-2030	PJV JEG
Title: DOUBLE-SIDED CUTTING INSERTS FOR HIGH FEED MILLING					

Granted Patents

Docket Number Case Type	SubCase	Country Division	Patent Number Issue Date	Status Expiration Date	Attorneys
TMP-2149 PRI	US	United States of America – Metalworking Products Title: DOUBLE-SIDED CUTTING INSERTS FOR HIGH FEED MILLING	7,976,250 12-Jul-2011	Granted 23-January-2030	PJV JEG MRL
TMP-2157 PRI	US	United States of America – Metalworking Products Title: REINFORCED ROLL AND METHOD OF MAKING SAME	8,308,096 13-Nov-2012	Granted 13-January-2031	PJV JEG

Pending Patents

Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-1943 PCT	CN	China (People's Republic) - Metalworking Products	00818465.8 11-Dec-2000	Published 11-June-2003	MRL BGP JLK
Title: COMPOSITE CEMENTED CARBIDE RODS FOR ROTARY TOOLS					
TMP-1943 PCT	HK	Hong Kong - Metalworking Products	03106955.7 26-Sep-2003	Published 12-December-2003	MRL BGP JLK
Title: COMPOSITE CEMENTED CARBIDE RODS FOR ROTARY TOOLS					
TMP-1949 PCT	EP	European Patent Convention - Metalworking Products	04785465.8 01-Apr-2004	Published 08-March-2006	MRL BGP
Title: CUTTING TOOL HAVING A WIPER NOSE CORNER					
TMP-1960 PCT	BR	Brazil - Metalworking Products	PI0107929-8 24-Jan-2001	Pending	MRL BGP
Title: UNIDRILL INSERT WITH PRECISION PRESSED GEOMETRY FORM					
TMP-1960 PCT	PL	Poland - Metalworking Products	24-Jan-2001	Pending	MRL BGP
Title: UNIDRILL INSERT WITH PRECISION PRESSED GEOMETRY FORM					
TMP-1961 DIV	DIV	China (People's Republic) - Metalworking Products	201110214907.4 29-Jul-2011	Published 28-December-2011	MRL BGP
Title: THREAD MILLING TOOL HAVING HELICAL FLUTES					
TMP-1961 RCN	DIV	Hong Kong - Metalworking Products	12101394.6 22-May-2003	Pending	MRL BGP
Title: THREAD MILLING TOOL HAVING HELICAL FLUTES					
TMP-1961 ORD	HK	Hong Kong - Metalworking Products	03103628.1 22-May-2003	Pending	MRL BGP
Title: SOLID CARBIDE THREAD MILL WITH HELICAL TAPERED FLUTES					
TMP-2023 PCT	BR	Brazil - Metalworking Products	PI0417457-7 02-Dec-2004	Published 10-April-2007	MRL BGP
Title: ULTRAHYBRID CEMENTED CARBIDE COMPOSITES					
TMP-2023 DIV	DIV	Japan - Metalworking Products	2012-175648 08-Aug-2012	Published 10-January-2013	MRL BGP
Title: ULTRAHYBRID CEMENTED CARBIDE COMPOSITES					

Pending Patents

Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-2023 DIV	DIV	Korea, Republic of - Metalworking Products	10-2012-7021517 17-Aug-2012	Pending	MRL BGP
Title: HYBRID CEMENTED CARBIDE COMPOSITES					
TMP-2023 DIV	DIV2	Korea, Republic of - Metalworking Products	10-2013-7020940 08-Aug-2013	Pending	MRL BGP
Title: HYBRID CEMENTED CARBIDE COMPOSITES					
TMP-2034 EDV	DIV	European Patent Convention - Metalworking Products	10075498.5 23-Sep-2010	Published 14-September-2011	MRL BGP
Title: METHOD FOR ACCURATELY AND SECURELY POSITIONING A ROUND SHAPE INSERT TO IMPROVE PERFORMANCE AND CONSISTENCY OF INSERT LIFE					
TMP-2034 PCT	EP	European Patent Convention - Metalworking Products	04716485.0 02-Mar-2004	Published 18-January-2006	MRL BGP
Title: METHOD FOR ACCURATELY AND SECURELY POSITIONING A ROUND SHAPE INSERT TO IMPROVE PERFORMANCE AND CONSISTENCY OF INSERT LIFE					
TMP-2034 EPC	HK	Hong Kong - Metalworking Products	06103844.6 28-Mar-2006	Published 09-June-2006	MRL BGP
Title: ANTIROTATION TOOL HOLDER AND CUTTING INSERT					
TMP-2034 REP	HKD	Hong Kong - Metalworking Products	11113188.2 06-Dec-2011	Published 20-July-2012	MRL BGP
Title: METHOD FOR ACCURATELY AND SECURELY POSITIONING A ROUND SHAPE INSERT TO IMPROVE PERFORMANCE AND CONSISTENCY OF INSERT LIFE					
TMP-2034 DIV	DIV	Japan - Metalworking Products	2011-123886 02-Jun-2011	Pending	MRL BGP
Title: METHOD FOR ACCURATELY AND SECURELY POSITIONING A ROUND SHAPE INSERT TO IMPROVE PERFORMANCE AND CONSISTENCY OF INSERT LIFE					
TMP-2034 DIV	DIV2	Japan - Metalworking Products	2012-021971 03-Feb-2012	Published 12-July-2012	MRL BGP
Title: METHOD FOR ACCURATELY AND SECURELY POSITIONING A ROUND SHAPE INSERT TO IMPROVE PERFORMANCE AND CONSISTENCY OF INSERT LIFE					
TMP-2034 DIV	DIV	Mexico - Metalworking Products	MX/a/2010/006435 11-Jun-2010	Pending	MRL BGP
Title: METHOD FOR ACCURATELY AND SECURELY POSITIONING A ROUND SHAPE INSERT TO IMPROVE PERFORMANCE AND CONSISTENCY OF INSERT LIFE					

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Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-2034 DIV	DIV2	Mexico - Metalworking Products	MX/a/2011/005015 12-May-2011	Pending	MRL BGP
Title: METHOD FOR ACCURATELY AND SECURELY POSITIONING A ROUND SHAPE INSERT TO IMPROVE PERFORMANCE AND CONSISTENCY OF INSERT LIFE					
TMP-2034 DIV	DIV	Norway - Metalworking Products	20110916 27-Jun-2011	Pending	MRL BGP
Title: METHOD FOR ACCURATELY AND SECURELY POSITIONING A ROUND SHAPE INSERT TO IMPROVE PERFORMANCE AND CONSISTENCY OF INSERT LIFE					
TMP-2034 PCT	NO	Norway - Metalworking Products	20055262 09-Nov-2005	Pending	MRL BGP
Title: METHOD FOR ACCURATELY AND SECURELY POSITIONING A ROUND SHAPE INSERT TO IMPROVE PERFORMANCE AND CONSISTENCY OF INSERT LIFE					
TMP-2034 CON	CON2	United States of America -- Metalworking Products	13/398,968 17-Feb-2012	Published 28-June-2012	MRL BGP
Title: ANTIROTATION TOOL HOLDER AND CUTTING INSERT					
TMP-2040 ORD	EP	European Patent Convention - Metalworking Products	06252743.7 26-May-2006	Published 06-December-2006	MRL CGW
Title: HIGH EFFICIENCY NEUTRON SHIELD ARRAY					
TMP-2041 ORD	EP	European Patent Convention - Metalworking Products	05252283.6 12-Apr-2005	Published 30-November-2005	MRL BGP
Title: BISMUTH-BASED RADIATION SHIELDING (klh)					
TMP-2041 ORD	US	United States of America - Metalworking Products .	10/824,228 14-Apr-2004	Pending	MRL BGP
Title: RADIATION SHIELDS AND METHODS OF MAKING THE SAME					
TMP-2043 DIV	DIV	China (People's Republic) - Metalworking Products	200910006158.9 05-Oct-2004	Published 29-July-2009	PJV JEG
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 RCN	DIV	Hong Kong - Metalworking Products	09109434.6 13-Oct-2009	Published 27-November-2009	PJV JEG
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 DIV	DIV	India - Metalworking Products	172/KOLNP/2013 21-Jan-2013	Pending	PJV JEG
Title: A MILLING INSERT					

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Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-2043 PCT	IN	India - Metalworking Products	1074/KOLNP/2006 25-Apr-2006	Pending	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 PCT	NO	Norway - Metalworking Products	20062194 15-May-2006	Pending	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH-FEED FACE MILLING					
TMP-2043 CON	CON6	United States of America -- Metalworking Products	13/721,335 20-Dec-2012	Published 09-May-2013	PJV JEG MRL
Title: CUTTING INSERT FOR HIGH FEED FACE MILLING					
TMP-2047 ORD	HK	Hong Kong - Metalworking Products	06106477.3 07-Jun-2006	Published 22-September-2006	MRL BGP
Title: REPLACEABLE CARBIDE TAP CHASERS INCORPORATED WITH A COLLAPSIBLE OR ADJUSTABLE TAP SYSTEM					
TMP-2047 ORD	US	United States of America -- Metalworking Products	10/903,198 30-Jul-2004	Published 02-February-2006	MRL BGP
Title: REPLACEABLE CARBIDE TAP CHASERS INCORPORATED WITH A COLLAPSIBLE OR ADJUSTABLE TAP SYSTEM					
TMP-2055 PCT	BR	Brazil - Metalworking Products	PI05111498 05-May-2005	Pending	MRL BGP
Title: ZR-BASED AL2O3 CERAMIC CUTTING INSERTS WITH DIFFUSION BONDING-ENHANCED CVD COATINGS					
TMP-2055 PCT	CA	Canada - Metalworking Products	2566173 05-May-2005	Allowed 22-December-2005	MRL BGP
Title: AL2O3 CERAMIC TOOLS WITH DIFFUSION BONDING ENHANCED LAYER					
TMP-2055 PCT	EP	European Patent Convention - Metalworking Products	05782671.1 05-May-2005	Published 21-February-2007	MRL BGP
Title: ZR-BASED AL2O3 CERAMIC CUTTING INSERTS WITH DIFFUSION BONDING-ENHANCED CVD COATINGS					
TMP-2055 PCT	HK	Hong Kong - Metalworking Products	07109917.4 12-Sep-2007	Published 18-January-2008	MRL BGP
Title: AL2O3 CERAMIC TOOLS WITH DIFFUSION BONDING ENHANCED LAYER					
TMP-2055 DIV	DIV	Israel - Metalworking Products	218773 22-Mar-2012	Pending	MRL BGP
Title: ZR-BASED AL2O3 CERAMIC CUTTING INSERTS WITH DIFFUSION BONDING-ENHANCED CVD COATINGS					

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Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-2055 PCT	NO	Norway – Metalworking Products	20065637 08-Dec-2006	Pending	MRL BGP
Title: AL2O3 Ceramic Tools with Diffusion Bonding Enhanced Layer					
TMP-2059 EDV	DIV1	European Patent Convention – Metalworking Products	10075342.5 12-Aug-2010	Published 05-January-2011	MRL BGP
Title: CEMENTED CARBIDE INSERTS FOR EARTH BORING BITS					
TMP-2059 EDV	DIV2	European Patent Convention – Metalworking Products	10075341.7 12-Aug-2010	Published 22-December-2010	MRL BGP
Title: CEMENTED CARBIDE INSERTS FOR EARTH BORING BITS					
TMP-2059 EDV	DIV3	European Patent Convention – Metalworking Products	12158940.2 16-Dec-2005	Published 25-July-2012	MRL BGP
Title: CEMENTED CARBIDE INSERTS FOR EARTH BORING BITS					
TMP-2059 ORD	EP	European Patent Convention – Metalworking Products	05257765.7 16-Dec-2005	Published 28-March-2007	MRL BGP
Title: CEMENTED CARBIDE INSERTS FOR EARTH BORING BITS					
TMP-2059 DIV	DIV	United States of America -- Metalworking Products	12/397,597 04-Mar-2009	Published 16-July-2009	MRL BGP
Title: METHODS OF MAKING CEMENTED CARBIDE INSERTS FOR EARTH-BORING BITS					
TMP-2060 EDV	DIV	European Patent Convention – Metalworking Products	10075451.4 16-Sep-2010	Published 29-December-2010	MRL BGP DRM
Title: PVD COATED RUTHENIUM FEATURED CUTTING INSERTS					
TMP-2060 REX	RE	United States of America – Metalworking Products	95/001,417 16-Aug-2010	Pending	MRL BGP DRM
Title: PVD Coated Ruthenium Featured Cutting Tools					
TMP-2080 PCT	BR	Brazil – Metalworking Products	PI0612230-2 17-Aug-2006	Published 26-October-2010	MRL BGP DRM
Title: COMPOSITE CEMENTED CARBIDE INSERTS FOR MODULAR ROTARY TOOLS					
TMP-2080 PCT	CA	Canada – Metalworking Products	2609792 17-Aug-2006	Published 22-February-2007	MRL BGP DRM
Title: COMPOSITE CUTTING INSERTS AND METHODS OF MAKING THE SAME					

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TMP-2080 RCN	HK	Hong Kong - Metalworking Products	08110468.4 22-Sep-2008	Published 14-November-2008	MRL BGP DRM
Title: COMPOSITE CEMENTED CARBIDE INSERTS FOR MODULAR ROTARY TOOLS					
TMP-2080 PCT	IN	India - Metalworking Products	9108/DELNP/2007 27-Nov-2007	Published 18-January-2008	MRL BGP DRM
Title: COMPOSITE CEMENTED CARBIDE INSERTS FOR MODULAR ROTARY TOOLS					
TMP-2080 DIV	DIV	Israel - Metalworking Products	207815 26-Oct-2010	Pending	MRL BGP DRM
Title: COMPOSITE CUTTING INSERTS AND METHODS OF MAKING THE SAME					
TMP-2080 PCT	PCT	Japan - Metalworking Products	2008-527130 20-Dec-2007	Published 05-February-2009	MRL BGP DRM
Title: COMPOSITE CEMENTED CARBIDE INSERTS FOR MODULAR ROTARY TOOLS					
TMP-2080 PCT	KR	Korea, Republic of - Metalworking Products	10-2007-7027727 28-Nov-2007	Pending	MRL BGP DRM
Title: COMPOSITE CEMENTED CARBIDE INSERTS FOR MODULAR ROTARY TOOLS					
TMP-2080 ORD	MY	Malaysia - Metalworking Products	PI20063802 07-Aug-2006	Pending	MRL BGP DRM
Title: COMPOSITE CEMENTED CARBIDE INSERTS FOR MODULAR ROTARY TOOLS					
TMP-2080 PCT	NO	Norway - Metalworking Products	20081066 28-Feb-2008	Pending	MRL BGP DRM
Title: COMPOSITE CEMENTED CARBIDE INSERTS FOR MODULAR ROTARY TOOLS					
TMP-2080 DIV	DIV	United States of America -- Metalworking Products	12/179,999 25-Jul-2008	Published 12-February-2009	MRL BGP DRM
Title: COMPOSITE CUTTING INSERTS AND METHODS OF MAKING THE SAME					
TMP-2089 PCT	BR	Brazil - Metalworking Products	PI0607065-5 14-Jun-2006	Published 04-August-2009	MRL BGP
Title: COMPOSITE ARTICLE WITH COOLANT CHANNELS AND TOOL FABRICATION					
TMP-2089 PCT	CA	Canada - Metalworking Products	2596309 14-Jun-2006	Published 04-January-2007	MRL BGP
Title: COMPOSITE ARTICLE WITH COOLANT CHANNELS AND TOOL FABRICATION METHOD					

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TMP-2089 PCT	CN	China (People's Republic) - Metalworking Products	200680014550.2 14-Jun-2006	Published 23-April-2008	MRL BGP
Title: COMPOSITE ARTICLE WITH COOLANT CHANNELS AND TOOL FABRICATION					
TMP-2089 PCT	EP	European Patent Convention - Metalworking Products	06773207.3 14-Jun-2006	Published 09-April-2008	MRL BGP
Title: COMPOSITE ARTICLE WITH COOLANT CHANNELS AND TOOL FABRICATION					
TMP-2089 PCT	EP	Hong Kong - Metalworking Products	08105186.5 08-May-2008	Published 25-July-2008	MRL BGP
Title: COMPOSITE ARTICLE WITH COOLANT CHANNELS AND TOOL FABRICATION					
TMP-2089 PCT	HK	Hong Kong - Metalworking Products	08106556.5 13-Jun-2008	Published 22-August-2008	MRL BGP
Title: COMPOSITE ARTICLE WITH COOLANT CHANNEL AND TOOL FABRICATION					
TMP-2089 PCT	IN	India - Metalworking Products	3824/KOLNP/2007 08-Oct-2007	Pending	MRL BGP
Title: COMPOSITE ARTICLE WITH COOLANT CHANNELS AND TOOL FABRICATION					
TMP-2089 DIV	DIV	Korea, Republic of - Metalworking Products	10-2013-7019047 19-Jul-2013	Pending	MRL BGP
Title: COMPOSITE ARTICLE WITH COOLANT CHANNELS AND TOOL FABRICATION METHOD					
TMP-2089 PCT	KR	Korea, Republic of - Metalworking Products	10-2007-7027250 23-Nov-2007	Allowed	MRL BGP
Title: COMPOSITE ARTICLE WITH COOLANT CHANNELS AND TOOL FABRICATION METHOD					
TMP-2089 ORD	TW	Taiwan - Metalworking Products	95122578 22-Jun-2006	Pending	MRL BGP
Title: Composite Article with Coolant Channels and Tool Fabrication					
TMP-2089 CON	CCON	United States of America -- Metalworking Products	13/632.177 01-Oct-2012	Published 21-February-2013	MRL BGP
Title: INJECTION MOLDING FABRICATION METHOD					
TMP-2089 ORD	US	United States of America - Metalworking Products	11/167,811 27-Jun-2005	Allowed 28-December-2006	MRL BGP
Title: COMPOSITE ARTICLE WITH COOLANT CHANNELS AND TOOL FABRICATION METHOD					

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Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-2103 PCT	PCT	Australia - Metalworking Products	2007244947 20-Apr-2007	Pending	MRL BGP
Title: MODULAR FIXED-CUTTER EARTH BORING BITS, MODULAR FIXED CUTTER EARTH-BORING BIT BODIES, AND RELATED METHODS					
TMP-2103 PCT	PCT	Brazil - Metalworking Products	PI0710530-4 20-Apr-2007	Published 16-August-2011	MRL BGP
Title: MODULAR FIXED-CUTTER EARTH BORING BITS, MODULAR FIXED CUTTER EARTH-BORING BIT BODIES, AND RELATED METHODS					
TMP-2103 PCT	PCT	Canada - Metalworking Products	2648181 20-Apr-2007	Published 08-November-2007	MRL BGP
Title: MODULAR FIXED-CUTTER EARTH BORING BITS, MODULAR FIXED CUTTER EARTH-BORING BIT BODIES, AND RELATED METHODS					
TMP-2103 EDV	DIV	European Patent Convention - Metalworking Products	11002039.3 11-Mar-2011	Published 01-June-2011	MRL BGP
Title: MODULAR FIXED-CUTTER EARTH BORING BITS, MODULAR FIXED CUTTER EARTH-BORING BIT BODIES, AND RELATED METHODS					
TMP-2103 DIV	DIV	Japan - Metalworking Products	2013-012232 25-Jan-2013	Published 20-June-2013	MRL BGP
Title: MODULAR FIXED-CUTTER EARTH BORING BITS, MODULAR FIXED CUTTER EARTH-BORING BIT BODIES, AND RELATED METHODS					
TMP-2103 DIV	DIV	Mexico - Metalworking Products	MX/a/2011/010317 30-Sep-2011	Pending	MRL BGP
Title: MODULAR FIXED-CUTTER EARTH BORING BITS, MODULAR FIXED CUTTER EARTH-BORING BIT BODIES, AND RELATED METHODS					
TMP-2103 CON	CON	United States of America -- Metalworking Products	13/652,503 16-Oct-2012	Published 14-February-2013	MRL BGP
Title: MODULAR FIXED-CUTTER EARTH BORING BITS, MODULAR FIXED CUTTER EARTH-BORING BIT BODIES, AND RELATED METHODS					
TMP-2105 PCT	PCT	Brazil - Metalworking Products	PI0807660-0 19-Aug-2009	Pending	MRL BGP
Title: CARBIDE CUTTING INSERT					
TMP-2105 PCT	PCT	Canada - Metalworking Products	2677554 15-Feb-2008	Published 28-August-2008	MRL BGP
Title: CARBIDE CUTTING INSERT					

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REEL: 005171 FRAME: 0346

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Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-2105 DIV	DIV	China (People's Republic) - Metalworking Products Title: CARBIDE CUTTING INSERT	201310350535.7 13-Aug-2013	Pending	MRL BGP
TMP-2105 PCT	PCT	China (People's Republic) - Metalworking Products Title: CARBIDE CUTTING INSERT	200880005465.9 15-Feb-2008	Published 06-January-2010	MRL BGP
TMP-2105 PCT	PCT	European Patent Convention - Metalworking Products Title: CARBIDE CUTTING INSERT	08729969.9 16-Sep-2009	Published 25-November-2009	MRL BGP
TMP-2105 PCT	PCT	India - Metalworking Products Title: CARBIDE CUTTING INSERT	5225/DELNP/2009 13-Aug-2009	Published 02-April-2010	MRL BGP
TMP-2105 DIV	DIV	Israel - Metalworking Products Title: CARBIDE CUTTING INSERT	222622 23-Oct-2012	Pending	MRL BGP
TMP-2105 PCT	PCT	Israel - Metalworking Products Title: CARBIDE CUTTING INSERT	200226 04-Aug-2009	Pending	MRL BGP
TMP-2105 PCT	PCT	Mexico - Metalworking Products Title: CARBIDE CUTTING INSERT	MX/a/2009/008604 12-Aug-2009	Pending	MRL BGP
TMP-2106 PCT	PCT	Brazil - Metalworking Products Title: ARTICLES HAVING IMPROVED RESISTANCE TO THERMAL CRACKING	PI 0717332-6 24-Mar-2009	Pending	MRL
TMP-2106 PCT	PCT	Canada - Metalworking Products Title: ARTICLES HAVING IMPROVED RESISTANCE TO THERMAL CRACKING	2663519 25-Oct-2007	Published 02-May-2008	MRL
TMP-2106 DIV	DIV	China (People's Republic) - Metalworking Products Title: ARTICLES HAVING IMPROVED RESISTANCE TO THERMAL CRACKING	201210168378.3 28-May-2012	Published 07-November-2012	MRL

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Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-2106 PCT	PCT	European Patent Convention - Metalworking Products	07852944.3 25-Oct-2007	Published 15-July-2009	MRL
Title: ARTICLES HAVING IMPROVED RESISTANCE TO THERMAL CRACKING					
TMP-2106 PCT	PCT	India - Metalworking Products	2018/DELNP/2009 26-Mar-2009	Pending	MRL
Title: ARTICLES HAVING IMPROVED RESISTANCE TO THERMAL CRACKING					
TMP-2106 PCT	DIV	Japan - Metalworking Products	2013-154354 25-Jul-2013	Pending	MRL
Title: ARTICLES HAVING IMPROVED RESISTANCE TO THERMAL CRACKING					
TMP-2106 PCT	PCT	Korea, Republic of - Metalworking Products	10-2009-7006760 25-Oct-2007	Pending	MRL
Title: ARTICLES HAVING IMPROVED RESISTANCE TO THERMAL CRACKING					
TMP-2106 PCT	PCT	Mexico - Metalworking Products	Mx/2009/003114 23-Mar-2009	Pending	MRL
Title: ARTICLES HAVING IMPROVED RESISTANCE TO THERMAL CRACKING					
TMP-2106 PCT	PCT	South Africa - Metalworking Products	2009/02032 23-Mar-2009	Pending	MRL
Title: ARTICLES HAVING IMPROVED RESISTANCE TO THERMAL CRACKING					
TMP-2106 CON	CON	United States of America -- Metalworking Products	13/182,474 14-Jul-2011	Published 03-November-2011	MRL
Title: ARTICLES HAVING IMPROVED RESISTANCE TO THERMAL CRACKING					
TMP-2106 CON	CON2	United States of America -- Metalworking Products	13/632,178 01-Oct-2012	Published 31-January-2013	MRL
Title: ARTICLES HAVING IMPROVED RESISTANCE TO THERMAL CRACKING					
TMP-2108 PCT	PCT	Brazil - Metalworking Products	PI0716534-0 10-Mar-2009	Pending	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					
TMP-2108 PCT	PCT	European Patent Convention - Metalworking Products	07865350.8 07-Dec-2007	Published 03-June-2009	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					

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Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-2108 PCT	PCT	India - Metalworking Products	1665/DELNP/2009 13-Mar-2009	Published 12-June-2009	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					
TMP-2108 DIV	DIV	Israel - Metalworking Products	227059 20-Jun-2013	Pending	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					
TMP-2108 PCT	PCT	Israel - Metalworking Products	197342 02-Mar-2009	Allowed	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					
TMP-2108 PCT	PCT	Japan - Metalworking Products	2009-545548 30-Mar-2009	Published 13-May-2010	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					
TMP-2108 PCT	PCT	Mexico - Metalworking Products	MX/a/2009/002840 17-Mar-2009	Allowed	PJV MRL
Title: CUTTING INSERT, TOOL HOLDER, AND RELATED METHOD					
TMP-2113 PCT	PCT	Australia - Metalworking Products	2008329940 06-Nov-2008	Pending	PJV MRL
Title: ROTARY BURR COMPRISING CEMENTED CARBIDE					
TMP-2113 PCT	PCT	Brazil - Metalworking Products	PI0819447-5 24-May-2010	Pending	PJV MRL
Title: ROTARY BURR COMPRISING CEMENTED CARBIDE					
TMP-2113 PCT	PCT	Canada - Metalworking Products	2705354 10-May-2010	Published 04-June-2009	PJV MRL
Title: ROTARY BURR COMPRISING CEMENTED CARBIDE					
TMP-2113 PCT	PCT	China (People's Republic) - Metalworking Products	200880117980.6 27-May-2010	Published 03-November-2010	PJV MRL
Title: ROTARY BURR COMPRISING CEMENTED CARBIDE					
TMP-2113 PCT	PCT	Japan - Metalworking Products	2010-536044 25-May-2010	Published 17-February-2011	PJV MRL
Title: ROTARY BURR COMPRISING CEMENTED CARBIDE					

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Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-2113 PCT	PCT	Korea, Republic of - Metalworking Products	10-2010-7012673 09-Jun-2010	Pending	PJV MRL
Title: ROTARY BURR COMPRISING CEMENTED CARBIDE					
TMP-2113 PRI	US	United States of America -- Metalworking Products	11/945,372 27-Nov-2007	Published 28-May-2009	PJV MRL
Title: ROTARY BURR COMPRISING CEMENTED CARBIDE					
TMP-2114 DIV	DIV	Australia - Metalworking Products	2013231076 19-Sep-2013	Pending	PJV MRL BGP
Title: COMPOSITE ARTICLES					
TMP-2114 PCT	PCT	Australia - Metalworking Products	2008229200 06-Mar-2008	Allowed	PJV MRL BGP
Title: COMPOSITE ARTICLES					
TMP-2114 PCT	PCT	Brazil - Metalworking Products	PI0808759-8 14-Sep-2009	Pending	PJV MRL BGP
Title: COMPOSITE ARTICLES					
TMP-2114 PCT	PCT	Canada - Metalworking Products	2680473 09-Sep-2009	Published 25-September-2008	PJV MRL BGP
Title: COMPOSITE ARTICLES					
TMP-2114 EDV	DIV	European Patent Convention - Metalworking Products	11005810.4 15-Jul-2011	Allowed 19-October-2011	PJV MRL BGP
Title: COMPOSITE ARTICLES					
TMP-2114 PCT	PCT	India - Metalworking Products	5880/DELNP/2009 14-Sep-2009	Published 11-June-2010	PJV MRL BGP
Title: COMPOSITE ARTICLES					
TMP-2114 PCT	PCT	Israel - Metalworking Products	200800 08-Sep-2009	Pending	PJV MRL BGP
Title: COMPOSITE ARTICLES					
TMP-2114 PCT	PCT	Korea, Republic of - Metalworking Products	10-2009-7019647 21-Sep-2009	Pending	PJV MRL BGP
Title: COMPOSITE ARTICLES					

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Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-2114 DIV	DIV	Mexico - Metalworking Products Title: COMPOSITE ARTICLES	MX/a/2011/005976 06-Jun-2011	Pending	PJV MRL BGP
TMP-2120 PCT	PCT	Brazil - Metalworking Products Title: EARTH BORING BIT PARTS INCLUDING HYBRID CEMENTED CARBIDES AND METHODS OF MAKING THE SAME	PI0917834-1 14-Feb-2011	Pending	PJV MRL
TMP-2120 PCT	PCT	Canada - Metalworking Products Title: EARTH BORING BIT PARTS INCLUDING HYBRID CEMENTED CARBIDES AND METHODS OF MAKING THE SAME	2732517 31-Jan-2011	Published 25-February-2010	PJV MRL
TMP-2120 PCT	PCT	China (People's Republic) - Metalworking Products Title: EARTH BORING BIT PARTS INCLUDING HYBRID CEMENTED CARBIDES AND METHODS OF MAKING THE SAME	200980135283.8 10-Mar-2011	Published 10-August-2011	PJV MRL
TMP-2120 EDV	DIV	European Patent Convention - Metalworking Products Title: EARTH BORING BIT PARTS INCLUDING HYBRID CEMENTED CARBIDES AND METHODS OF MAKING THE SAME	13180757.0 16-Aug-2013	Pending	PJV MRL
TMP-2120 PCT	PCT	European Patent Convention - Metalworking Products Title: EARTH BORING BIT PARTS INCLUDING HYBRID CEMENTED CARBIDES AND METHODS OF MAKING THE SAME	09790626.7 21-Feb-2011	Published 18-May-2011	PJV MRL
TMP-2120 PCT	PCT	India - Metalworking Products Title: EARTH BORING BIT PARTS INCLUDING HYBRID CEMENTED CARBIDES AND METHODS OF MAKING THE SAME	1273/DELNP/2011 22-Feb-2011	Pending	PJV MRL
TMP-2120 PCT	PCT	Israel - Metalworking Products Title: EARTH BORING BIT PARTS INCLUDING HYBRID CEMENTED CARBIDES AND METHODS OF MAKING THE SAME	210766 20-Jul-2009	Pending	PJV MRL
TMP-2120 PCT	PCT	Japan - Metalworking Products Title: EARTH BORING BIT PARTS INCLUDING HYBRID CEMENTED CARBIDES AND METHODS OF MAKING THE SAME	2011-523845 21-Feb-2011	Published 12-January-2012	PJV MRL
TMP-2120 PCT	PCT	Russian Federation - Metalworking Products Title: EARTH BORING BIT PARTS INCLUDING HYBRID CEMENTED CARBIDES AND METHODS OF MAKING THE SAME	2011110717 21-Mar-2011	Pending	PJV MRL

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Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-2120 PCT	PCT	South Africa - Metalworking Products	2011/00879 02-Feb-2011	Pending	PJV MRL
Title: EARTH BORING BIT PARTS INCLUDING HYBRID CEMENTED CARBIDES AND METHODS OF MAKING THE SAME					
TMP-2120 PCT	PCT	Ukraine - Metalworking Products	2011 03386 21-Mar-2011	Pending	PJV MRL
Title: EARTH BORING BIT PARTS INCLUDING HYBRID CEMENTED CARBIDES AND METHODS OF MAKING THE SAME					
TMP-2120 DIV	DIV	United States of America -- Metalworking Products	13/652,508 16-Oct-2012	Published 14-February-2013	PJV MRL
Title: EARTH BORING BIT PARTS INCLUDING HYBRID CEMENTED CARBIDES AND METHODS OF MAKING THE SAME					
TMP-2123 PCT	PCT	Brazil - Metalworking Products	PI0913591-0 01-Dec-2010	Pending	PJV MRL
Title: CEMENTED CARBIDE - METALLIC ALLOY COMPOSITES					
TMP-2123 PCT	PCT	Canada - Metalworking Products	2725318 22-Nov-2010	Published 10-December-2009	PJV MRL
Title: CEMENTED CARBIDE - METALLIC ALLOY COMPOSITES					
TMP-2123 PCT	PCT	China (People's Republic) - Metalworking Products	200980129471.X 02-Jun-2009	Published 29-June-2011	PJV MRL
Title: CEMENTED CARBIDE - METALLIC ALLOY COMPOSITES					
TMP-2123 EDV	DIV	European Patent Convention - Metalworking Products	13172168.0 14-Jun-2013	Pending	PJV MRL
Title: CEMENTED CARBIDE - METALLIC ALLOY COMPOSITES					
TMP-2123 PCT	PCT	European Patent Convention - Metalworking Products	09759231.5 29-Dec-2010	Published 30-March-2011	PJV MRL
Title: CEMENTED CARBIDE - METALLIC ALLOY COMPOSITES					
TMP-2123 PCT	PCT	India - Metalworking Products	8228/DELNP/2010 22-Nov-2010	Pending	PJV MRL
Title: CEMENTED CARBIDE - METALLIC ALLOY COMPOSITES					
TMP-2123 PCT	PCT	Israel - Metalworking Products	209347 16-Nov-2010	Pending	PJV MRL
Title: CEMENTED CARBIDE - METALLIC ALLOY COMPOSITES					

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Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-2123 PCT	PCT	Japan - Metalworking Products	2011-512580 01-Dec-2010	Pending	PJV MRL
Title: CEMENTED CARBIDE - METALLIC ALLOY COMPOSITES					
TMP-2123 ORD	PCT2	Patent Cooperation Treaty - Metalworking Products	PCT/US2013/049009 02-Jul-2013	Pending	PJV MRL
Title: COMPOSITE SINTERED POWDER METAL ARTICLES					
TMP-2123 PCT	PCT	Russian Federation - Metalworking Products	2010154427 29-Dec-2010	Allowed 20-July-2012	PJV MRL
Title: CEMENTED CARBIDE - METALLIC ALLOY COMPOSITES					
TMP-2123 PCT	PCT	Ukraine - Metalworking Products	2010 15854 28-Dec-2010	Pending	PJV MRL
Title: CEMENTED CARBIDE - METALLIC ALLOY COMPOSITES					
TMP-2123 CIP	CIP	United States of America -- Metalworking Products	13/558,769 26-Jul-2012	Published 15-November-2012	PJV MRL
Title: COMPOSITE SINTERED POWDER METAL ARTICLES					
TMP-2123 DIV	DIV	United States of America -- Metalworking Products	13/487,323 04-Jun-2012	Published 20-September-2012	PJV MRL
Title: CEMENTED CARBIDE - METALLIC ALLOY COMPOSITES					
TMP-2126 PCT	PCT	Brazil - Metalworking Products	PI0911450-5 25-Oct-2010	Pending	PJV MRL
Title: CUTTING TOOL SYSTEM, CUTTING INSERT, AND TOOL HOLDER					
TMP-2126 PCT	PCT	Canada - Metalworking Products	2723258 25-Feb-2009	Published 12-November-2009	PJV MRL
Title: CUTTING TOOL SYSTEM, CUTTING INSERT, AND TOOL HOLDER					
TMP-2126 PCT	PCT	China (People's Republic) - Metalworking Products	200980116475.4 08-Nov-2010	Published 13-April-2011	PJV MRL
Title: CUTTING TOOL SYSTEM, CUTTING INSERT, AND TOOL HOLDER					
TMP-2126 PCT	PCT	European Patent Convention - Metalworking Products	09743136.5 17-Nov-2010	Published 23-March-2011	PJV MRL
Title: CUTTING TOOL SYSTEM, CUTTING INSERT, AND TOOL HOLDER					

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Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-2126 PCT	PCT	India - Metalworking Products	7362/DELNP/2010 19-Oct-2010	Pending	PJV MRL
Title: CUTTING TOOL SYSTEM, CUTTING INSERT, AND TOOL HOLDER					
TMP-2126 PCT	PCT	Japan - Metalworking Products	2011-508524 05-Nov-2010	Published 14-July-2011	PJV MRL
Title: CUTTING TOOL SYSTEM, CUTTING INSERT, AND TOOL HOLDER					
TMP-2126 PCT	PCT	Mexico - Metalworking Products	MX/a/2010/011434 18-Oct-2010	Pending	PJV MRL
Title: CUTTING TOOL SYSTEM, CUTTING INSERT, AND TOOL HOLDER					
TMP-2126 PCT	PCT	Russian Federation - Metalworking Products	2010149960 06-Dec-2010	Published 20-June-2012	PJV MRL
Title: CUTTING TOOL SYSTEM, CUTTING INSERT, AND TOOL HOLDER					
TMP-2133 PCT	PCT	Australia - Metalworking Products	2010286865 03-Aug-2010	Pending	PJV JEG MRL
Title: COATED CUTTING TOOLS HAVING A PLATINUM GROUP METAL CONCENTRATION GRADIENT AND RELATED					
TMP-2133 PCT	PCT	Brazil - Metalworking Products	BR 11 2012 004087 1 24-Feb-2012	Pending	PJV JEG MRL
Title: COATED CUTTING TOOLS HAVING A PLATINUM GROUP METAL CONCENTRATION GRADIENT AND RELATED					
TMP-2133 PCT	PCT	Canada - Metalworking Products	2771076 06-Feb-2012	Published 03-March-2011	PJV JEG MRL
Title: COATED CUTTING TOOLS HAVING A PLATINUM GROUP METAL CONCENTRATION GRADIENT AND RELATED					
TMP-2133 PCT	PCT	China (People's Republic) - Metalworking Products	201080048183.4 25-Apr-2012	Published 18-July-2012	PJV JEG MRL
Title: COATED CUTTING TOOLS HAVING PLATINUM GROUP METAL CONCENTRATION GRADIENT AND RELATED					
TMP-2133 PCT	PCT	European Patent Convention - Metalworking Products	10745051.2 28-Feb-2012	Published 04-July-2012	PJV JEG MRL
Title: COATED CUTTING TOOLS HAVING A PLATINUM GROUP METAL CONCENTRATION GRADIENT AND RELATED					
TMP-2133 PCT	PCT	India - Metalworking Products	1282/DELNP/2012 10-Feb-2012	Pending	PJV JEG MRL
Title: COATED CUTTING TOOLS HAVING A PLATINUM GROUP METAL CONCENTRATION GRADIENT AND RELATED					

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Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-2133 PCT	PCT	Israel - Metalworking Products	217995 08-Feb-2012	Pending	PJV JEG MRL
Title: COATED CUTTING TOOLS HAVING A PLATINUM GROUP METAL CONCENTRATION GRADIENT AND RELATED					
TMP-2133 PCT	PCT	Japan - Metalworking Products	2012-526797 24-Feb-2012	Published 31-January-2013	PJV JEG MRL
Title: COATED CUTTING TOOLS HAVING A PLATINUM GROUP METAL CONCENTRATION GRADIENT AND RELATED					
TMP-2133 PCT	PCT	Korea, Republic of - Metalworking Products	10-2012-7004941 24-Feb-2012	Pending	PJV JEG MRL
Title: COATED CUTTING TOOLS HAVING A PLATINUM GROUP METAL CONCENTRATION GRADIENT AND RELATED					
TMP-2133 PCT	PCT	Mexico - Metalworking Products	MX/a/2012/002347 24-Feb-2012	Pending	PJV JEG MRL
Title: COATED CUTTING TOOLS HAVING A PLATINUM GROUP METAL CONCENTRATION GRADIENT AND RELATED					
TMP-2133 PCT	PCT	Russian Federation - Metalworking Products	2012111228 23-Mar-2012	Pending	PJV JEG MRL
Title: COATED CUTTING TOOLS HAVING A PLATINUM GROUP METAL CONCENTRATION GRADIENT AND RELATED					
TMP-2133 PCT	PCT	Singapore - Metalworking Products	201201205-0 21-Feb-2012	Published 27-April-2012	PJV JEG MRL
Title: COATED CUTTING TOOLS HAVING A PLATINUM GROUP METAL CONCENTRATION GRADIENT AND RELATED					
TMP-2133 ORD	TW	Taiwan - Metalworking Products	099128327 24-Aug-2010	Published 16-August-2011	PJV JEG MRL
Title: COATED CUTTING TOOLS HAVING A PLATINUM GROUP METAL CONCENTRATION GRADIENT AND RELATED					
TMP-2133 CON	CON	United States of America - Metalworking Products	13/864,352 17-Apr-2013	Pending	PJV JEG MRL
Title: COATED CUTTING TOOLS HAVING A PLATINUM GROUP METAL CONCENTRATION GRADIENT AND RELATED					
TMP-2136/2140 PCT	PCT	Brazil - Metalworking Products	PI0917831-7 14-Feb-2011	Pending	PJV MRL
Title: EARTH-BORING BITS AND OTHER PARTS INCLUDING CEMENTED CARBIDE					
TMP-2136/2140 PCT	PCT	Canada - Metalworking Products	2732518 31-Jan-2011	Published 25-February-2010	PJV MRL
Title: EARTH-BORING BITS AND OTHER PARTS INCLUDING CEMENTED CARBIDE					

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Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-2136/2140 PCT	PCT	China (People's Republic) - Metalworking Products	200980135274.9 10-Mar-2011	Published 14-September-2011	PJV MRL
Title: EARTH-BORING BITS AND OTHER PARTS INCLUDING CEMENTED CARBIDE					
TMP-2136/2140 DIV	DIV	European Patent Convention - Metalworking Products	12196590.9 11-Dec-2012	Published 20-March-2013	PJV MRL
Title: EARTH-BORING BITS AND OTHER PARTS INCLUDING CEMENTED CARBIDE					
TMP-2136/2140 PCT	PCT	European Patent Convention - Metalworking Products	09790629.1 15-Mar-2011	Published 01-June-2011	PJV MRL
Title: EARTH-BORING BITS AND OTHER PARTS INCLUDING CEMENTED CARBIDE					
TMP-2136/2140 PCT	PCT	India - Metalworking Products	1272/DELNP/2011 22-Feb-2011	Pending	PJV MRL
Title: EARTH-BORING BITS AND OTHER PARTS INCLUDING CEMENTED CARBIDE					
TMP-2136/2140 PCT	PCT	Israel - Metalworking Products	210797 20-Jul-2009	Pending	PJV MRL
Title: EARTH-BORING BITS AND OTHER PARTS INCLUDING CEMENTED CARBIDE					
TMP-2136/2140 PCT	PCT	Japan - Metalworking Products	2011-523846 21-Feb-2011	Published 12-January-2012	PJV MRL
Title: EARTH-BORING BITS AND OTHER PARTS INCLUDING CEMENTED CARBIDE					
TMP-2136/2140 PCT	PCT	Russian Federation - Metalworking Products	2011110729 21-Mar-2011	Pending	PJV MRL
Title: EARTH-BORING BITS AND OTHER PARTS INCLUDING CEMENTED CARBIDE					
TMP-2136/2140 PCT	PCT	South Africa - Metalworking Products	2011/00880 02-Feb-2011	Pending	PJV MRL
Title: EARTH-BORING BITS AND OTHER PARTS INCLUDING CEMENTED CARBIDE					
TMP-2136/2140 PCT	PCT	Ukraine - Metalworking Products	201103385 21-Mar-2011	Pending	PJV MRL
Title: EARTH-BORING BITS AND OTHER PARTS INCLUDING CEMENTED CARBIDE					
TMP-2136/2140 CON	CC2	United States of America -- Metalworking Products	13/491,649 08-Jun-2012	Published 27-September-2012	PJV MRL
Title: EARTH-BORING BITS AND OTHER PARTS INCLUDING CEMENTED CARBIDE					

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Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-2141 PCT	PCT	China (People's Republic) - Metalworking Products	201080012900.8 21-Sep-2011	Published 21-March-2012	PJV MRL
Title: MULTI-PIECE DRILL HEAD AND DRILL INCLUDING THE SAME					
TMP-2141 PCT	PCT2	China (People's Republic) - Metalworking Products	201080068273.X 28-Jan-2013	Published 10-April-2013	PJV MRL
Title: MULTI-PIECE DRILL HEAD AND DRILL INCLUDING THE SAME					
TMP-2141 PCT	PCT	European Patent Convention - Metalworking Products	10700350.1 01-Sep-2001	Published 21-December-2011	PJV MRL
Title: MULTI-PIECE DRILL HEAD AND DRILL INCLUDING THE SAME					
TMP-2141 PCT	PCT2	European Patent Convention - Metalworking Products	10737160.1 05-Feb-2013	Published 22-May-2013	PJV MRL
Title: MULTI-PIECE DRILL HEAD AND DRILL INCLUDING THE SAME					
TMP-2141 PCT	PCT2	Russian Federation - Metalworking Products	2013105800 12-Feb-2013	Pending	PJV MRL
Title: MULTI-PIECE DRILL HEAD AND DRILL INCLUDING THE SAME					
TMP-2141 ORD	TW	Taiwan - Metalworking Products	99104081 09-Feb-2010	Pending	PJV MRL
Title: MULTI-PIECE DRILL HEAD AND DRILL INCLUDING THE SAME					
TMP-2141 CIP	CIP	United States of America -- Metalworking Products	12/835,045 13-Jul-2010	Published 04-November-2010	PJV MRL
Title: MULTI-PIECE DRILL HEAD AND DRILL INCLUDING THE SAME					
TMP-2141 PRI	US	United States of America -- Metalworking Products	12/368,339 10-Feb-2009	Published 12-August-2010	PJV MRL
Title: MULTI-PIECE DRILL HEAD AND DRILL INCLUDING THE SAME					
TMP-2142 PCT	PCT	Australia - Metalworking Products	2010248039 13-Oct-2011	Pending	PJV MRL
Title: COMPOSITE CEMENTED CARBIDE ROTARY TOOLS AND ROTARY CUTTING TOOL BLANKS					
TMP-2142 PCT	PCT	Brazil - Metalworking Products	PI10105425 11-Nov-2011	Pending	PJV MRL
Title: COMPOSITE CEMENTED CARBIDE ROTARY TOOLS AND ROTARY CUTTING TOOL BLANKS					

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Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-2142 PCT	PCT	Canada - Metalworking Products	2759259 19-Oct-2011	Published 18-November-2010	PJV MRL
Title: COMPOSITE CEMENTED CARBIDE ROTARY TOOLS AND ROTARY CUTTING TOOL BLANKS					
TMP-2142 PCT	PCT	China (People's Republic) - Metalworking Products	201080031372.0 12-Jan-2012	Published 16-May-2012	PJV MRL
Title: COMPOSITE CEMENTED CARBIDE ROTARY TOOLS AND ROTARY CUTTING TOOL BLANKS					
TMP-2142 PCT	PCT	European Patent Convention - Metalworking Products	10719474.8 08-Dec-2011	Published 21-March-2012	PJV MRL
Title: COMPOSITE CEMENTED CARBIDE ROTARY TOOLS AND ROTARY CUTTING TOOL BLANKS					
TMP-2142 PCT	PCT	India - Metalworking Products	8314/DELNP/2011 27-Oct-2011	Pending	PJV MRL
Title: COMPOSITE CEMENTED CARBIDE ROTARY TOOLS AND ROTARY CUTTING TOOL BLANKS					
TMP-2142 PCT	PCT	Israel - Metalworking Products	215948 26-Oct-2011	Pending	PJV MRL
Title: COMPOSITE CEMENTED CARBIDE ROTARY TOOLS AND ROTARY CUTTING TOOL BLANKS					
TMP-2142 PCT	PCT	Japan - Metalworking Products	2012-510820 11-Nov-2011	Published 01-November-2012	PJV MRL
Title: COMPOSITE CEMENTED CARBIDE ROTARY TOOLS AND ROTARY CUTTING TOOL BLANKS					
TMP-2142 PCT	PCT	Korea, Republic of - Metalworking Products	10-2011-7029334 08-Dec-2011	Pending	PJV MRL
Title: COMPOSITE CEMENTED CARBIDE ROTARY TOOLS AND ROTARY CUTTING TOOL BLANKS					
TMP-2142 PCT	PCT	Malaysia - Metalworking Products	PI 2011005019 19-Oct-2011	Pending	PJV MRL
Title: COMPOSITE CEMENTED CARBIDE ROTARY TOOLS AND ROTARY CUTTING TOOL BLANKS					
TMP-2142 PCT	PCT	Mexico - Metalworking Products	MX/a/2011/011601 01-Nov-2011	Pending	PJV MRL
Title: COMPOSITE CEMENTED CARBIDE ROTARY TOOLS AND ROTARY CUTTING TOOL BLANKS					
TMP-2142 PCT	PCT	Russian Federation - Metalworking Products	2011150215 09-Dec-2011	Pending	PJV MRL
Title: COMPOSITE CEMENTED CARBIDE ROTARY TOOLS AND ROTARY CUTTING TOOL BLANKS					

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Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-2142 ORD	SA	Saudi Arabia - Metalworking Products	110 31 0375 11-May-2010	Pending	PJV MRL
Title: COMPOSITE CEMENTED CARBIDE ROTARY TOOLS AND ROTARY CUTTING TOOL BLANKS					
TMP-2142 PCT	PCT	Singapore - Metalworking Products	201108307-8 10-Nov-2011	Published 29-December-2011	PJV MRL
Title: COMPOSITE CEMENTED CARBIDE ROTARY TOOLS AND ROTARY CUTTING TOOL BLANKS					
TMP-2142 ORD	TW	Taiwan - Metalworking Products	099115145 12-May-2010	Published 16-January-2011	PJV MRL
Title: COMPOSITE CEMENTED CARBIDE ROTARY TOOLS AND ROTARY CUTTING TOOL BLANKS					
TMP-2142 DIV	DIV	United States of America -- Metalworking Products	13/591,282 22-Aug-2012	Published 20-December-2012	PJV MRL
Title: COMPOSITE CEMENTED CARBIDE ROTARY CUTTING TOOLS AND ROTARY CUTTING TOOL BLANKS					
TMP-2147 PCT	PCT	Brazil - Metalworking Products	PI10143670 25-Oct-2011	Pending	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERT FOR DRILLING TOOL					
TMP-2147 PCT	PCT	Canada - Metalworking Products	2757975 06-Oct-2011	Published 04-November-2010	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERT FOR DRILLING TOOL					
TMP-2147 PCT	PCT	China (People's Republic) - Metalworking Products	201080028947.3 28-Dec-2011	Published 16-May-2012	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERT FOR DRILLING TOOL					
TMP-2147 PCT	PCT	European Patent Convention - Metalworking Products	10714742.3 26-Oct-2011	Published 07-March-2012	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERT FOR DRILLING TOOL					
TMP-2147 PCT	PCT	India - Metalworking Products	8024/DELNP/2011 18-Oct-2011	Pending	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERT FOR DRILLING TOOL					
TMP-2147 PCT	PCT	Japan - Metalworking Products	2012-508511 28-Oct-2011	Published 22-October-2012	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERT FOR DRILLING TOOL					

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Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-2147 PCT	PCT	Mexico - Metalworking Products	MX/a/2011/011001 18-Oct-2011	Pending	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERT FOR DRILLING TOOL					
TMP-2147 PCT	PCT	Russian Federation - Metalworking Products	2011148261 25-Nov-2011	Published 10-June-2013	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERT FOR DRILLING TOOL					
TMP-2147 ORD	TW	Taiwan - Metalworking Products	099113541 28-Apr-2010	Published 01-December-2010	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERT FOR DRILLING TOOL					
TMP-2147 PRI	US	United States of America -- Metalworking Products	12/431,384 28-Apr-2009	Published 28-October-2010	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERT FOR DRILLING TOOL					
TMP-2149 PCT	PCT2	Brazil - Metalworking Products	BR1120130031182 07-Feb-2013	Pending	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERTS FOR HIGH FEED MILLING					
TMP-2149 PCT	PCT	Canada- Metalworking Products	2749711 14-Jul-2011	Published 19-August-2010	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERTS FOR HIGH FEED MILLING					
TMP-2149 PCT	PCT2	Canada - Metalworking Products	2805428 14-Jan-2013	Published 16-February-2012	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERTS FOR HIGH FEED MILLING					
TMP-2149 PCT	PCT	China (People's Republic) - Metalworking Products	201080012612.2 20-Sep-2011	Published 22-February-2012	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERTS FOR HIGH FEED MILLING					
TMP-2149 PCT	PCT	European Patent Convention - Metalworking Products	10700626.4 01-Sep-2011	Published 21-December-2011	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERTS FOR HIGH FEED MILLING					
TMP-2149 PCT	PCT2	European Patent Convention - Metalworking Products	11741021.7 05-Feb-2013	Published 19-June-2013	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERTS FOR HIGH FEED MILLING					

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Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-2149 PCT	PCT2	India - Metalworking Products	1249/DELNP/2013 11-Feb-2013	Pending	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERTS FOR HIGH FEED MILLING					
TMP-2149 PCT	PCT2	Israel - Metalworking Products	224238 15-Jan-2013	Pending	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERTS FOR HIGH FEED MILLING					
TMP-2149 PCT	PCT2	Japan - Metalworking Products	2013-524083 12-Feb-2013	Pending	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERTS FOR HIGH FEED MILLING					
TMP-2149 PCT	PCT2	Korea, Republic of - Metalworking Products	10-2013-7003067 05-Feb-2013	Pending	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERTS FOR HIGH FEED MILLING					
TMP-2149 PCT	PCT	Mexico - Metalworking Products	MX/a/2011/008184 03-Aug-2011	Pending	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERTS FOR HIGH FEED MILLING					
TMP-2149 PCT	PCT2	Mexico - Metalworking Products	MX/a/2013/001511 07-Feb-2013	Pending	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERTS FOR HIGH FEED MILLING					
TMP-2149 PCT	PCT2	Russian Federation - Metalworking Products	2013110330 07-Mar-2013	Pending	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERTS FOR HIGH FEED MILLING					
TMP-2149 PCT	PCT2	Singapore - Metalworking Products	201300966-7 06-Feb-2013	Published 28-March-2013	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERTS FOR HIGH FEED MILLING					
TMP-2149 ORD	CIP	Taiwan - Metalworking Products	100128724 11-Aug-2011	Published 01-May-2012	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERTS FOR HIGH FEED MILLING					
TMP-2149 ORD	TW	Taiwan - Metalworking Products	99104082 09-Feb-2010	Pending	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERTS FOR HIGH FEED MILLING					

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Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-2149 PCT	PCT2	United Arab Emirates - Metalworking Products	136/2013 06-Feb-2013	Pending	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERTS FOR HIGH FEED MILLING					
TMP-2157 PCT	PCT	Australia - Metalworking Products	2010273851 06-Jan-2012	Pending	PJV JEG
Title: REINFORCED ROLL AND METHOD OF MAKING SAME					
TMP-2157 PCT	PCT	Brazil - Metalworking Products	BR 11 2012 000697 5 11-Jan-2012	Pending	PJV JEG
Title: REINFORCED ROLL AND METHOD OF MAKING SAME					
TMP-2157 PCT	PCT	Canada - Metalworking Products	2767227 04-Jan-2012	Published 20-January-2011	PJV JEG
Title: REINFORCED ROLL AND METHOD OF MAKING SAME					
TMP-2157 PCT	PCT	Chile - Metalworking Products	0118-2012 13-Jan-2012	Published 24-August-2012	PJV JEG
Title: REINFORCED ROLL AND METHOD OF MAKING SAME					
TMP-2157 PCT	PCT	China (People's Republic) - Metalworking Products	201080040784.0 14-Mar-2012	Published 13-June-2012	PJV JEG
Title: REINFORCED ROLL AND METHOD OF MAKING SAME					
TMP-2157 PCT	PCT	European Patent Convention - Metalworking Products	10743266.8 10-Feb-2012	Published 23-May-2012	PJV JEG
Title: REINFORCED ROLL AND METHOD OF MAKING SAME					
TMP-2157 PCT	PCT	India - Metalworking Products	298/DELNP/2012 11-Jan-2012	Pending	PJV JEG
Title: REINFORCED ROLL AND METHOD OF MAKING SAME					
TMP-2157 PCT	PCT	Indonesia - Metalworking Products	W-0201200535 09-Feb-2012	Published 26-July-2012	PJV JEG
Title: REINFORCED ROLL AND METHOD OF MAKING SAME					
TMP-2157 PCT	PCT	Israel - Metalworking Products	217344 03-Jan-2012	Pending	PJV JEG
Title: REINFORCED ROLL AND METHOD OF MAKING SAME					

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Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-2157 PCT	PCT	Japan - Metalworking Products	2012-520651 13-Jan-2012	Published 28-February-2013	PJV JEG
Title: REINFORCED ROLL AND METHOD OF MAKING SAME					
TMP-2157 PCT	PCT	Korea, Republic of - Metalworking Products	10-2012-7003655 10-Feb-2012	Pending	PJV JEG
Title: REINFORCED ROLL AND METHOD OF MAKING SAME					
TMP-2157 PCT	PCT	Mexico - Metalworking Products	MX/a/2012/000537 10-Jan-2012	Pending	PJV JEG
Title: REINFORCED ROLL AND METHOD OF MAKING SAME					
TMP-2157 PCT	PCT	Russian Federation - Metalworking Products	2012105015 13-Feb-2012	Pending	PJV JEG
Title: REINFORCED ROLL AND METHOD OF MAKING SAME					
TMP-2157 PCT	PCT	South Africa - Metalworking Products	2012/00266 12-Jan-2012	Pending	PJV JEG
Title: REINFORCED ROLL AND METHOD OF MAKING SAME					
TMP-2157 CON	CON	United States of America -- Metalworking Products	13/647,419 09-Oct-2012	Published 31-January-2013	PJV JEG
Title: REINFORCED ROLL AND METHOD OF MAKING SAME					
TMP-2157 DIV	DIV1	United States of America -- Metalworking Products	13/646,854 08-Oct-2012	Published 31-January-2013	PJV JEG
Title: METHOD OF MAKING AN ARTICLE ADAPTED FOR USE AS A WEAR RESISTANT WORKING SURFACE OF A ROLL					
TMP-2157 DIV	DIV2	United States of America -- Metalworking Products	13/646,857 08-Oct-2012	Published 31-January-2013	PJV JEG
Title: GRINDING ROLL INCLUDING WEAR RESISTANT WORKING SURFACE					
TMP-2162 PCT	PCT	Canada - Metalworking Products	2777361 11-Apr-2012	Published 19-May-2011	PJV JEG
Title: THREAD ROLLING DIE AND METHOD OF MAKING THE SAME					
TMP-2162 PCT	PCT	China (People's Republic) - Metalworking Products	201080050402.2 08-May-2012	Published 18-July-2012	PJV JEG
Title: THREAD ROLLING DIE					

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Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-2162 PCT	PCT	European Patent Convention - Metalworking Products	10774362.7 08-Jun-2012	Published 19-September-2012	PJV JEG MRL
Title: THREAD ROLLING DIE AND METHOD OF MAKING THE SAME					
TMP-2162 PCT	PCT	Mexico - Metalworking Products	MX/a/2012/004858 25-Apr-2012	Pending	PJV JEG MRL
Title: THREAD ROLLING DIE AND METHOD OF MAKING THE SAME					
TMP-2162 PRI	US	United States of America -- Metalworking Products	12/616,300 11-Nov-2009	Published 12-May-2011	PJV JEG MRL
Title: THREAD ROLLING DIE AND METHOD OF MAKING THE SAME					
TMP-2163 PCT	PCT	European Patent Convention - Metalworking Products	10788458.7 17-Jul-2012	Published 24-October-2012	PJV JEG MRL
Title: TOOL HOLDER FOR MULTIPLE DIFFERENTLY-SHAPED CUTTING INSERTS					
TMP-2163 PRI	US	United States of America -- Metalworking Products	12/641,399 18-Dec-2009	Published 23-June-2011	PJV JEG MRL
Title: TOOL HOLDER FOR MULTIPLE DIFFERENTLY-SHAPED CUTTING INSERTS					
TMP-2185 ORD	CA	Canada - Metalworking Products	2744583 24-Jun-2011	Published 14-January-2012	PJV JEG
Title: APPARATUSES AND METHODS FOR ROLLING ANGLED THREADS					
TMP-2185 ORD	MX	Mexico - Metalworking Products	MX/a/2011/007269 06-Jul-2011	Pending	PJV JEG
Title: APPARATUSES AND METHODS FOR ROLLING ANGLED THREADS					
TMP-2185 PRI	US	United States of America -- Metalworking Products	12/836,174 14-Jul-2010	Published 19-January-2012	PJV JEG
Title: APPARATUSES AND METHODS FOR ROLLING ANGLED THREADS					
TMP-2193 PCT	PCT1	Brazil - Metalworking Products	BR 11 2013 008518 5 08-Apr-2013	Pending	PJV JEG MRL
Title: CUTTING TOOLS AND CUTTING INSERTS INCLUDING INTERNAL COOLING					
TMP-2193 PCT	PCT2	Brazil - Metalworking Products	BR 11 2013 008520 7 08-Apr-2013	Pending	PJV JEG MRL
Title: CUTTING TOOL INCLUDING AN INTERNAL COOLANT SYSTEM AND FASTENER FOR A CUTTING TOOL INCLUDING AN INTERNAL COOLANT SYSTEM					

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Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-2193 PCT	PCT1	Canada - Metalworking Products	2813240 21-Mar-2013	Published 12-April-2012	PJV JEG MRL
Title: CUTTING TOOLS AND CUTTING INSERTS INCLUDING INTERNAL COOLING					
TMP-2193 PCT	PCT2	Canada - Metalworking Products	2812232 21-Mar-2013	Published 12-April-2012	PJV JEG MRL
Title: CUTTING TOOL INCLUDING AN INTERNAL COOLANT SYSTEM AND FASTENER FOR A CUTTING TOOL INCLUDING AN INTERNAL COOLANT SYSTEM					
TMP-2193 PCT	PCT1	European Patent Convention - Metalworking Products	11760638.4 01-May-2013	Published 14-August-2013	PJV JEG MRL
Title: CUTTING TOOLS AND CUTTING INSERTS INCLUDING INTERNAL COOLING					
TMP-2193 PCT	PCT2	European Patent Convention - Metalworking Products	11760640.0 01-May-2013	Published 14-August-2013	PJV JEG MRL
Title: CUTTING TOOL INCLUDING AN INTERNAL COOLANT SYSTEM AND FASTENER FOR A CUTTING TOOL INCLUDING AN INTERNAL COOLANT SYSTEM					
TMP-2193 PCT	PCT1	India - Metalworking Products	2922/DELNP/2013 03-Apr-2013	Pending	PJV JEG MRL
Title: CUTTING TOOLS AND CUTTING INSERTS INCLUDING INTERNAL COOLING					
TMP-2193 PCT	PCT2	India - Metalworking Products	2918/DELNP/2013 03-Apr-2013	Pending	PJV JEG MRL
Title: CUTTING TOOL INCLUDING AN INTERNAL COOLANT SYSTEM AND FASTENER FOR A CUTTING TOOL INCLUDING AN INTERNAL COOLANT SYSTEM					
TMP-2193 PCT	PCT1	Israel - Metalworking Products	225562 04-Apr-2013	Pending	PJV JEG MRL
Title: CUTTING TOOLS AND CUTTING INSERTS INCLUDING INTERNAL COOLING					
TMP-2193 PCT	PCT2	Israel - Metalworking Products	225563 04-Apr-2013	Pending	PJV JEG MRL
Title: CUTTING TOOL INCLUDING AN INTERNAL COOLANT SYSTEM AND FASTENER FOR A CUTTING TOOL INCLUDING AN INTERNAL COOLANT SYSTEM					
TMP-2193 PCT	PCT1	Japan - Metalworking Products	2013-532813 08-Apr-2013	Pending	PJV JEG MRL
Title: CUTTING TOOLS AND CUTTING INSERTS INCLUDING INTERNAL COOLING					

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Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-2193 PCT	PCT2	Japan - Metalworking Products	2013-532814 08-Apr-2013	Pending	PJV JEG MRL
Title: CUTTING TOOL INCLUDING AN INTERNAL COOLANT SYSTEM AND FASTENER FOR A CUTTING TOOL INCLUDING AN INTERNAL COOLANT SYSTEM					
TMP-2193 PCT	PCT1	Korea, Republic of - Metalworking Products	10-2013-7008974 08-Apr-2013	Pending	PJV JEG MRL
Title: CUTTING TOOLS AND CUTTING INSERTS INCLUDING INTERNAL COOLING					
TMP-2193 PCT	PCT2	Korea, Republic of - Metalworking Products	10-2013-7008558 03-Apr-2013	Pending	PJV JEG MRL
Title: CUTTING TOOL INCLUDING AN INTERNAL COOLANT SYSTEM AND FASTENER FOR A CUTTING TOOL INCLUDING AN INTERNAL COOLANT SYSTEM					
TMP-2193 PCT	PCT1	Mexico - Metalworking Products	MX/a/2013/003844 05-Apr-2013	Pending	PJV JEG MRL
Title: CUTTING TOOLS AND CUTTING INSERTS INCLUDING INTERNAL COOLING					
TMP-2193 PCT	PCT2	Mexico - Metalworking Products	MX/a/2013/003843 05-Apr-2013	Pending	PJV JEG MRL
Title: CUTTING TOOL INCLUDING AN INTERNAL COOLANT SYSTEM AND FASTENER FOR A CUTTING TOOL INCLUDING AN INTERNAL COOLANT SYSTEM					
TMP-2193 PCT	PCT1	Russian Federation - Metalworking Products	2013120964 08-May-2013	Pending	PJV JEG MRL
Title: CUTTING TOOLS AND CUTTING INSERTS INCLUDING INTERNAL COOLING					
TMP-2193 PCT	PCT2	Russian Federation - Metalworking Products	2013120963 08-May-2013	Pending	PJV JEG MRL
Title: CUTTING TOOL INCLUDING AN INTERNAL COOLANT SYSTEM AND FASTENER FOR A CUTTING TOOL INCLUDING AN INTERNAL COOLANT SYSTEM					
TMP-2193 PCT	PCT1	Singapore - Metalworking Products	201302508-5 03-Apr-2013	Published 31-May-2013	PJV JEG MRL
Title: CUTTING TOOLS AND CUTTING INSERTS INCLUDING INTERNAL COOLING					
TMP-2193 PCT	PCT2	Singapore - Metalworking Products	201302504-4 03-Apr-2013	Published 28-June-2013	PJV JEG MRL
Title: CUTTING TOOL INCLUDING AN INTERNAL COOLANT SYSTEM AND FASTENER FOR A CUTTING TOOL INCLUDING AN INTERNAL COOLANT SYSTEM					

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TMP-2193 ORD	CIP	Taiwan - Metalworking Products	100135676 30-Sep-2011	Published 01-June-2012	PJV JEG MRL
Title: CUTTING TOOLS AND CUTTING INSERTS INCLUDING INTERNAL COOLING					
TMP-2193 ORD	TW	Taiwan - Metalworking Products	100135677 30-Sep-2011	Published 01-August-2012	PJV JEG MRL
Title: CUTTING TOOLS AND CUTTING INSERTS INCLUDING INTERNAL COOLING					
TMP-2193 PCT	PCT1	United Arab Emirates - Metalworking Products	368/2013 04-Apr-2013	Pending	PJV JEG MRL
Title: CUTTING TOOLS AND CUTTING INSERTS INCLUDING INTERNAL COOLING					
TMP-2193 PCT	PCT2	United Arab Emirates - Metalworking Products	367/2013 04-Apr-2013	Pending	PJV JEG MRL
Title: CUTTING TOOL INCLUDING AN INTERNAL COOLANT SYSTEM AND FASTENER FOR A CUTTING TOOL INCLUDING AN INTERNAL COOLANT SYSTEM					
TMP-2193 CIP	CIP	United States of America -- Metalworking Products	13/036,332 28-Feb-2011	Published 12-April-2012	PJV JEG MRL
Title: CUTTING TOOL INCLUDING AN INTERNAL COOLANT SYSTEM AND FASTENER FOR A CUTTING TOOL INCLUDING AN INTERNAL COOLANT SYSTEM					
TMP-2193 CON	CON	United States of America -- Metalworking Products	13/785,375 05-Mar-2013	Published 18-July-2013	PJV JEG MRL
Title: CUTTING TOOLS AND CUTTING INSERTS INCLUDING INTERNAL COOLING					
TMP-2193 PRI	US	United States of America -- Metalworking Products	12/900,544 08-Oct-2010	Allowed 12-April-2012	PJV JEG MRL
Title: CUTTING TOOLS AND CUTTING INSERTS INCLUDING INTERNAL COOLING					
TMP-2198 ORD	PCT	Patent Cooperation Treaty - Metalworking Products	PCT/US2012/058226 01-Oct-2012	Published 02-May-2013	PJV JEG MRL
Title: CUTTING INSERTS HAVING DISCONTIGUOUS CLEARANCE FACES					
TMP-2198 PRI	US	United States of America -- Metalworking Products	13/280,832 25-Oct-2011	Published 25-April-2013	PJV JEG MRL
Title: CUTTING INSERTS HAVING DISCONTIGUOUS CLEARANCE FACES					
TMP-2200 ORD	PCT	Patent Cooperation Treaty - Metalworking Products	PCT/US2012/046871 16-Jul-2012	Published 14-February-2013	PJV JEG MRL
Title: CUTTING INSERTS AND CUTTING TOOL SYSTEMS HAVING SINUSOIDAL AND HELICAL CUTTING EDGES					

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TMP-2200 PRI	US	United States of America -- Metalworking Products	13/206,558 10-Aug-2011	Published 14-February-2013	PJV JEG MRL
Title: CUTTING INSERTS AND CUTTING TOOL SYSTEMS HAVING SINUSOIDAL AND HELICAL CUTTING EDGES					
TMP-2202 ORD	PCT	Patent Cooperation Treaty - Metalworking Products	PCT/US2012/053264 31-Aug-2012	Published 28-March-2013	PJV JEG MRL
Title: CUTTING INSERTS FOR EARTH-BORING BITS					
TMP-2202 ORD	TW	Taiwan -- Metalworking Products	101134833 21-Sep-2012	Published 01-June-2013	PJV JEG MRL
Title: CUTTING INSERTS FOR EARTH-BORING BITS					
TMP-2202 ORD	ORD	United States of America -- Metalworking Products	13/598,744 30-Aug-2012	Published 28-March-2013	PJV JEG MRL
Title: CUTTING INSERTS FOR EARTH-BORING BITS					
TMP-2203 ORD	PCT	Patent Cooperation Treaty - Metalworking Products	PCT/US2012/049284 02-Aug-2012	Published 07-March-2013	PJV JEG MRL
Title: METHODS OF FORMING WEAR RESISTANT LAYERS ON METALLIC SURFACES					
TMP-2203 PRI	US	United States of America -- Metalworking Products	13/222,324 31-Aug-2011	Published 28-February-2013	PJV JEG MRL
Title: METHODS OF FORMING WEAR RESISTANT LAYERS ON METALLIC SURFACES					
TMP-2205 ORD	PCT	Patent Cooperation Treaty - Metalworking Products	PCT/US2012/042396 14-Jun-2012	Published 17-January-2013	PJV JEG MRL
Title: MULTI-PIECE TWIST DRILL HEAD AND TWIST DRILL INCLUDING THE SAME					
TMP-2205 PRI	US	United States of America -- Metalworking Products	13/179,662 11-Jul-2011	Published 17-January-2013	PJV JEG MRL
Title: MULTI-PIECE TWIST DRILL HEAD AND TWIST DRILL INCLUDING THE SAME					
TMP-2210 ORD	PCT	Patent Cooperation Treaty - Metalworking Products	PCT/US2012/060529 16-Oct-2012	Published 10-May-2013	PJV JEG MRL
Title: EARTH BORING CUTTING INSERTS AND EARTH BORING BITS INCLUDING THE SAME					
TMP-2210 PRI	US	United States of America -- Metalworking Products	13/286,355 01-Nov-2011	Published 02-May-2013	PJV JEG MRL
Title: EARTH BORING CUTTING INSERTS AND EARTH BORING BITS INCLUDING THE SAME					

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Docket Number Case Type	SubCase	Country Division	Application Number Filing Date	Status Publication Date	Attorneys
TMP-2214 ORD	PCT	Patent Cooperation Treaty - Metalworking Products	PCT/US2013/032871 19-Mar-2013	Pending	PJV JEG MRL
Title: MULTI-COMPONENT POWDER COMPACTION MOLDS FOR CUTTING INSERTS AND RELATED METHODS					
TMP-2214 ORD	TW	Taiwan - Metalworking Products	102112238 03-Apr-2013	Pending	PJV JEG MRL
Title: MULTI-COMPONENT POWDER COMPACTION MOLDS AND RELATED METHODS					
TMP-2214 PRI	US	United States of America -- Metalworking Products	13/442,135 09-Apr-2012	Pending	PJV JEG MRL
Title: MULTI-COMPONENT POWDER COMPACTION MOLDS AND RELATED METHODS					
TMP-2222 ORD	CIP	Patent Cooperation Treaty - Metalworking Products	PCT/US2013/060354 18-Sep-2013	Pending	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERTS WITH ANTI-ROTATION FEATURES					
TMP-2222 CIP	CIP	United States of America - Metalworking Products	13/773,743 22-Feb-2013	Pending	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERTS WITH ANTI-ROTATION FEATURES					
TMP-2222 PRI	US	United States of America - Metalworking Products	13/625,960 25-Sep-2012	Pending	PJV JEG MRL
Title: DOUBLE-SIDED CUTTING INSERTS WITH ANTI-ROTATION FEATURES					
TMP-2226 ORD	PCT	Patent Cooperation Treaty - Metalworking Products	PCT/US2013/058120 05-Sep-2013	Pending	PJV JEG MRL
Title: PROCESSES AND APPARATUSES FOR MAKING CUTTING TOOL INSERTS					
TMP-2226 PRI	US	United States of America - Metalworking Products	13/626,185 25-Sep-2012	Pending	PJV JEG MRL
Title: PROCESSES AND APPARATUSES FOR MAKING CUTTING TOOL INSERTS					

SCHEDULE 2

TRADEMARK REGISTRATIONS AND APPLICATIONS

See attached.

Registered Trademarks

Trademark	Country Case Type	Case Number Division	SubCase	Registration Number Registration Date	Status Next Renewal Date	Attorneys
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AEROSTELL	China (People's Republic) ORD	1011-TMPST Metalworking Products	CN	1976375 14-Oct-2005	Registered 13-October-2015	MRL NPK
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Class: 07 Int. . -

Registered Trademarks

Trademark	Country Case Type	Case Number Division	SubCase	Registration Number Registration Date	Status Next Renewal Date	Attorneys
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AEROSTELL	Taiwan ORD	1011-TMPST Metalworking Products	TW	1020400 31-Oct-2002	Registered 31-October-2022	MRL NPK
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Class: 07 Int. -

Registered Trademarks

Trademark	Country Case Type	Case Number Division	SubCase	Registration Number Registration Date	Status Next Renewal Date	Attorneys
AEROSTELL (CHINESE)	China (People's Republic) ORD	AEROCHAR Metalworking Products		1976377 28-Feb-2003	Registered 27-February-2023	MRL NPK
Class: 07 Int. -						
BESTOIL	United States of America ORD	2146-TMP Metalworking Products	US	3,601,669 07-Apr-2009	Registered 07-April-2019	PJV
Class: 04 Int. -						
CUSTOMDRILL	Canada ORD	1061-TMPST Metalworking Products	CA	614421 08-Jul-2004	Registered 08-July-2019	MRL NPK
Class: 07 Int., 09 Int. -						
CUSTOMDRILL	European Community ORD	1061-TMPST Metalworking Products	EM	2258184 03-Oct-2002	Registered 14-June-2021	MRL NPK
Class: 07 Int., 09 Int. -						
DENSALLOY	United States of America ORD	1072-TMP Metalworking Products	US	2,749,942 12-Aug-2003	Registered 12-August-2023	MRL NPK
Class: 06 Int. -						
DENSTORE	United States of America ORD	1073-TMP Metalworking Products	US	2,756,667 26-Aug-2003	Registered 26-August-2023	MRL NPK
Class: 06 Int. -						

Registered Trademarks

Trademark	Country Case Type	Case Number Division	SubCase	Registration Number Registration Date	Status Next Renewal Date	Attorneys
FIRTH STERLING	Argentina	1085-TMP	AR	2344931	Registered	MRL
	ORD	Metalworking Products		09-Feb-2010	09-February-2020	NPK
Class: -						
FIRTH STERLING	Australia	1085-TMP	AU	1055147	Registered	MRL
	ORD	Metalworking Products		12-May-2005	12-May-2015	NPK
Class: 06 Int., 07 Int. -						
FIRTH STERLING	Brazil	1085-TMP	BR	827464657	Registered	MRL
	ORD	Metalworking Products		30-Oct-2007	30-October-2017	NPK
Class: -						
FIRTH STERLING	China (People's Republic)	1085-TMP	CN	4685557	Registered	MRL
	ORD	Metalworking Products		21-Mar-2008	20-March-2018	NPK
Class: 06 Int. -						
FIRTH STERLING	European Community	1085-TMP	EM	4435517	Registered	MRL
	ORD	Metalworking Products		12-May-2005	12-May-2015	NPK
Class: -						
FIRTH STERLING	Hong Kong	1085-TMP	HK	300424999	Registered	MRL
	ORD	Metalworking Products		24-May-2005	24-May-2015	NPK
Class: -						
FIRTH STERLING	India	1085-TMP	IN	1367636	Registered	MRL
	ORD	Metalworking Products		23-Mar-2007	29-June-2015	NPK
Class: -						
FIRTH STERLING	Japan	1085-TMP	JP	4975699	Registered	MRL
	ORD	Metalworking Products		04-Aug-2006	04-August-2016	NPK
Class: 06 Int., 07 Int. -						
FIRTH STERLING	Korea, Republic of	1085-TMP	KR	40-0682760	Registered	MRL
	ORD	Metalworking Products		23-Oct-2006	23-October-2016	NPK
Class: 06 Int. -						

Registered Trademarks

Trademark	Country Case Type	Case Number Division	SubCase	Registration Number Registration Date	Status Next Renewal Date	Attorneys
FIRTH STERLING	Mexico	1085-TMP	MX	897059	Registered	MRL
	ORD	Metalworking Products		25-Aug-2005	02-June-2015	NPK
Class: 06 Int. -						
FIRTH STERLING	Norway	1085-TMP	NO	231322	Registered	MRL
	ORD	Metalworking Products		09-Mar-2006	09-March-2016	NPK
Class: 06 Int. -						
FIRTH STERLING	Singapore	1085-TMP	SG	T05/081111	Registered	MRL
	ORD	Metalworking Products		17-May-2005	17-May-2015	NPK
Class: 06 Int. -						
FIRTH STERLING	Singapore	1085-TMP	SG1	T06/18414J	Registered	MRL
	ORD	Metalworking Products		05-Sep-2006	05-September-2016	NPK
Class: 07 Int. -						
FIRTH STERLING	Taiwan	1085-TMP	TW	1255822	Registered	MRL
	ORD	Metalworking Products		01-Apr-2007	01-April-2017	NPK
Class: 06 Int. -						
FIRTH STERLING	United States of America	1085-TMP	US	3,149,705	Registered	MRL
	ORD	Metalworking Products		26-Sep-2006	26-September-2016	NPK
Class: -						
FIRTH STERLING	Canada	FIRTHSTRL		TMA581,162	Registered	MRL
	ORD	Metalworking Products		09-May-2003	09-May-2018	NPK
Class: 07 Int. -						

Registered Trademarks

Trademark	Country Case Type	Case Number Division	SubCase	Registration Number Registration Date	Status Next Renewal Date	Attorneys
HARDCORE	Canada	1095-TMPST	CA	TMA 731,716	Registered	MRL
	ORD	Metalworking Products		06-Jan-2009	06-January-2024	NPK JEB
Class: --						
HARDCORE	China (People's Republic)	1095-TMPST	CN	5154579	Registered	MRL
	ORD	Metalworking Products		14-Jan-2009	13-January-2019	NPK JEB
Class: 06 Int. --						
HARDCORE	China (People's Republic)	1095-TMPST	CN1	5145478	Registered	MRL
	ORD	Metalworking Products		14-Jan-2009	13-January-2019	JEB NPK
Class: 07 Int. --						
HARDCORE	European Community	1095-TMPST	EM	004822631	Registered	MRL
	ORD	Metalworking Products		12-Dec-2006	09-January-2016	NPK JEB
Class: --						
HARDCORE	Indonesia	1095-TMPST	ID	IDM000140440	Registered	MRL
	ORD	Metalworking Products		11-Oct-2007	09-March-2016	NPK JEB
Class: 06 Int. --						
HARDCORE	Indonesia	1095-TMPST	ID1	IDM000140441	Registered	MRL
	ORD	Metalworking Products		11-Oct-2007	09-March-2016	NPK JEB
Class: 07 Int. --						
HARDCORE	Japan	1095-TMPST	JP	5086484	Registered	MRL
	ORD	Metalworking Products		26-Oct-2007	26-October-2017	NPK JEB
Class: --						
HARDCORE	Korea, Republic of	1095-TMPST	KR	0685431	Registered	MRL
	ORD	Metalworking Products		13-Nov-2006	13-November-2016	NPK JEB
Class: --						
HARDCORE	Mexico	1095-TMPST	MX	992025	Registered	MRL
	ORD	Metalworking Products		11-Jul-2007	14-February-2016	NPK JEB
Class: 06 Int. --						

Registered Trademarks

Trademark	Country Case Type	Case Number Division	SubCase	Registration Number Registration Date	Status Next Renewal Date	Attorneys
HARDCORE	Mexico	1095-TMPST	MX1	949074	Registered	MRL
	ORD	Metalworking Products		28-Aug-2006	14-February-2016	NPK JEB
Class: 07 Int. --						
HARDCORE	Taiwan	1095-TMPST	TW	1267771	Registered	MRL
	ORD	Metalworking Products		16-Jun-2007	16-June-2017	NPK JEB
Class: 06 Int., 07 Int. --						
HARDCORE	United States of America	1095-TMPST	US	3,326,601	Registered	MRL
	ORD	Metalworking Products		30-Oct-2007	30-October-2017	NPK JEB
Class: 06 Int., 07 Int. --						
HYPERROL	Brazil	2149-TMP	BR	901971448	Registered	PJV
	ORD	Metalworking Products		07-Aug-2012	07-August-2022	JEG
Class: --						
HYPERROL	Canada	2149-TMP	CA	785969	Registered	PJV
	ORD	Metalworking Products		23-Dec-2010	23-December-2025	JEG
Class: --						
HYPERROL	European Community	2149-TMP	CTM	8559809	Registered	PJV
	ORD	Metalworking Products		10-May-2010	18-September-2019	JEG
Class: --						
HYPERROL	Mexico	2149-TMP	MX	1125943	Registered	PJV
	ORD	Metalworking Products		15-Oct-2009	24-September-2019	JEG
Class: --						
HYPERROL	United States of America	2149-TMP	US	3,746,153	Registered	PJV
	ORD	Metalworking Products		09-Feb-2010	09-February-2020	JEG
Class: 07 Int. --						

Registered Trademarks

Trademark	Country Case Type	Case Number Division	SubCase	Registration Number Registration Date	Status Next Renewal Date	Attorneys
LANCO	France	2007-TMP	FR	96637861	Registered	MRL
	ORD	Metalworking Products		07-Aug-1996	07-August-2016	NPK
Class: 07 Int. --						
LANCO	United Kingdom	2007-TMP	GB	579565	Registered	MRL
	ORD	Metalworking Products		28-Aug-1965	28-August-2017	NPK
Class: 07 Int. --						
LANDEX	France	2008-TMP	FR	96637859	Registered	MRL
	ORD	Metalworking Products		07-Aug-1996	07-August-2016	NPK
Class: 07 Int. --						
LANDEX	United Kingdom	2008-TMP	GB	579566	Registered	MRL
	ORD	Metalworking Products		28-Aug-1937	28-August-2017	NPK
Class: 07 Int. --						
LANDEX	United States of America	2008-TMP	US	0276140	Registered	MRL
	ORD	Metalworking Products		07-Oct-1930	07-October-2020	NPK
Class: 07 Int. --						
LANDEX	Mexico	MXNEW		781537	Registered	MRL
	ORD	Metalworking Products		28-Feb-2003	12-February-2022	NPK
Class: 07 Int. --						

Registered Trademarks

Trademark	Country Case Type	Case Number Division	SubCase	Registration Number Registration Date	Status Next Renewal Date	Attorneys
LANDIS	Brazil ORD	2009-TMP Metalworking Products	BR	3438422 16-Jan-1957	Registered	MRL NPK
Class: 07 Int. --						
LANDIS	Brazil ORD	2009-TMP Metalworking Products	BR1	813330530 21-Feb-1989	Registered 21-February-1999	MRL NPK
Class: 07 Int. --						
LANDIS	France ORD	2009-TMP Metalworking Products	FR	1,258,305 23-Jan-1964	Registered 23-January-2014	MRL NPK
Class: --						
LANDIS	United Kingdom ORD	2009-TMP Metalworking Products	GB	454171 02-Dec-1966	Registered 02-December-2014	MRL NPK
Class: 07 Int. --						
LANDIS	Italy ORD	2009-TMP Metalworking Products	IT	1093154 05-Mar-1944	Registered 05-March-2014	MRL NPK
Class: 07 Int. --						
LANDIS	United States of America ORD	2009-TMP Metalworking Products	US	616,155 15-Nov-1955	Registered 15-November-2015	MRL NPK
Class: 07 Int. --						
LANDIS	Mexico ORD	LANDISMX Metalworking Products	MX	1072795 19-Nov-2008	Registered 20-February-2018	PJV AAP
Class: --						
LANDIS & Design	United States of America ORD	2010-TMP Metalworking Products	US	177,617 25-Dec-1923	Registered 25-December-2013	MRL NPK
Class: --						
LANDIS & Device (Design)	Malaysia ORD	M21401 Metalworking Products		M/21401 19-May-1952	Registered 19-May-2021	MRL NPK
Class: 07 Int. --						

Registered Trademarks

Trademark	Country Case Type	Case Number Division	SubCase	Registration Number Registration Date	Status Next Renewal Date	Attorneys
LANDIS (DESIGN)	Hungary ORD	116307 Metalworking Products		116307 12-Feb-1954	Registered 12-February-2014	MRL NPK
Class: 06 Int., 07 Int. --						
LANDIS (DESIGN)	Austria ORD	13321 Metalworking Products		13321 12-Feb-1964	Registered 28-February-2014	MRL NPK
Class: 09 In. --						
LANDIS (DESIGN)	Canada ORD	181/40115 Metalworking Products		TMDA040115 24-Jun-1926	Registered 01-September-2017	MRL NPK
Class: 07 Int., 08 Int. --						
LANDIS (DESIGN)	Brazil ORD	2010-TMP Metalworking Products	BR	003438422 16-Jan-1967	Registered 16-January-2017	MRL NPK
Class: 07 Int. --						
LANDIS (DESIGN)	United Kingdom ORD	2010-TMP Metalworking Products	GB	474078 21-Oct-1954	Registered 21-October-2016	MRL NPK
Class: 07 Int. --						
LANDIS (DESIGN)	Germany ORD	404237 Metalworking Products		404,237 13-Jun-1929	Registered 28-February-2019	MRL NPK
Class: 07 Int. --						
LANDIS (DESIGN)	Spain ORD	53397 Metalworking Products		53397 28-Aug-1924	Registered 19-February-2014	MRL NPK
Class: 06 Int. --						
LANDIS (DESIGN)	South Africa ORD	66738 Metalworking Products		667/38 01-May-1966	Registered 20-May-2016	MRL NPK
Class: 06 Int. --						
LANDIS (DESIGN)	Australia ORD	A75594 Metalworking Products		A75594 01-Oct-1967	Registered 01-October-2019	MRL NPK
Class: 07 Int. --						

Registered Trademarks

Trademark	Country Case Type	Case Number Division	SubCase	Registration Number Registration Date	Status Next Renewal Date	Attorneys
LANDIS (DIAMOND)	United States of America ORD	2011-TMP Metalworking Products	US	610,360 09-Aug-1955	Registered 09-August-2015	MRL NPK
Class: 07 Int. --						
LANDMATIC	United States of America ORD	2012-TMP Metalworking Products	US	217,005 24-Aug-1926	Registered 21-August-2016	MRL NPK
Class: 08 Int. --						
LANDMATIC	United Kingdom ORD	579567 Metalworking Products		579567 28-Aug-1937	Registered 28-August-2017	MRL NPK
Class: 07 Int. --						
LANDMATIC	France ORD	96637860 Metalworking Products		96637860 07-Aug-1996	Registered 07-August-2016	MRL NPK
Class: 07 Int. --						
LANRAC	United States of America ORD	2017-TMP Metalworking Products	US	380,288 20-Aug-1940	Registered 20-August-2020	MRL NPK
Class: 07 Int. --						
LANROLL	United States of America ORD	2018-TMP Metalworking Products		3,376,565 29-Jan-2008	Registered 29-January-2018	MRL NPK
Class: 07 Int. --						
NITRO-LOK	China (People's Republic) ORD	NITROLOKCN Metalworking Products		1,976,380 28-Oct-2003	Registered 27-October-2023	MRL NPK
Class: 07 Int. --						
NITRO-LOK	Taiwan ORD	NITROLOKTW Metalworking Products		1031338 31-Jan-2003	Registered 31-January-2023	MRL NPK
Class: 07 Int. --						

Registered Trademarks

Trademark	Country Case Type	Case Number Division	SubCase	Registration Number Registration Date	Status Next Renewal Date	Attorneys
NITRO-LOK (BLOCK LETTERS)	European Community	2035-TMPST	EM	3704145	Registered	MRL
	ORD	Metalworking Products		26-Jun-2005	10-March-2014	NPK
Class: 02 Int. --						
NITRO-LOK (BLOCK LETTERS)	United States of America	2035-TMPST	US	2,975,925	Registered	MRL
	ORD	Metalworking Products		26-Jul-2005	26-July-2015	NPK
Class: 02 Int. --						
NITRO-LOK (CHINESE)	China (People's Republic)	NITROLOKCH		1976382	Registered	MRL
	ORD	Metalworking Products		28-Feb-2003	27-February-2023	NPK
Class: 07 Int. --						
OSTER	United States of America	2041-TMP	US	1,518,622	Registered	MRL
	ORD	Metalworking Products		03-Jan-1989	03-January-2019	NPK
Class: 04 Int. -						
OSTER	United States of America	2043-TMP	US	70,024	Registered	MRL
	ORD	Metalworking Products		21-Jul-1908	21-July-2018	NPK
Class: 07 Int. --						
OSTER	Canada	45154		TMDA45154	Registered	MRL
	ORD	Metalworking Products		01-Nov-1928	01-September-2017	NPK
Class: --						

Registered Trademarks

Trademark	Country Case Type	Case Number Division	SubCase	Registration Number Registration Date	Status Next Renewal Date	Attorneys
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POSICUT	China (People's Republic) ORD	2046-TMPST Metalworking Products	CN	1976389 28-Feb-2003	Registered 27-February-2023	MRL NPK
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Class: 07 Int. --

POSICUT	Taiwan ORD	2046-TMPST Metalworking Products	TW	1024698 30-Nov-2002	Registered 30-November-2022	MRL NPK
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Class: 07 Int. --

POSICUT (CHINESE CHARACTERS)	China (People's Republic) ORD	POSICUTCH Metalworking Products		1976387 28-Feb-2003	Registered 27-February-2023	MRL NPK
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Class: 07 Int. --

Registered Trademarks

Trademark	Country Case Type	Case Number Division	SubCase	Registration Number Registration Date	Status Next Renewal Date	Attorneys
POSIMATIC	Australia	2047-TMPST	AU	879359	Registered	MRL
	ORD	Metalworking Products		15-Jun-2001	15-June-2021	NPK
Class: 07 Int. -						
POSIMATIC	Canada	2047-TMPST	CA	TMA605,866	Registered	MRL
	ORD	Metalworking Products		22-Mar-2004	22-March-2019	NPK
Class: 07 Int. . -						
POSIMATIC	China (People's Republic)	2047-TMPST	CN	1913772	Registered	MRL
	ORD	Metalworking Products		20-Nov-2002	19-November-2022	NPK
Class: 07 Int. . -						
POSIMATIC	European Community	2047-TMPST	EM	2257350	Registered	MRL
	ORD	Metalworking Products		16-May-2003	13-June-2021	NPK
Class: 07 Int. . -						
POSIMATIC	Finland	2047-TMPST	FI	227772	Registered	MRL
	ORD	Metalworking Products		15-Jul-2003	15-July-2013	NPK
Class: 07 Int. . -						
POSIMATIC	Hong Kong	2047-TMPST	HK	200312509	Registered	MRL
	ORD	Metalworking Products		22-Oct-2003	20-June-2018	NPK
Class: 07 Int. . -						
POSIMATIC	Japan	2047-TMPST	JP	4586477	Registered	MRL
	ORD	Metalworking Products		19-Jul-2002	19-July-2022	NPK
Class: 07 Int. . -						
POSIMATIC	Korea, Republic of	2047-TMPST	KR	0537857	Registered	MRL
	ORD	Metalworking Products		23-Dec-2002	23-December-2022	NPK
Class: 07 Int. . -						
POSIMATIC	Mexico	2047-TMPST	MX	730211	Registered	MRL
	ORD	Metalworking Products		29-Jan-2002	14-June-2021	NPK
Class: 07 Int. . -						

Registered Trademarks

Trademark	Country Case Type	Case Number Division	SubCase	Registration Number Registration Date	Status Next Renewal Date	Attorneys
POSIMATIC	Malaysia ORD	2047-TMPST Metalworking Products	MY	01007632 22-Nov-2003	Registered 20-June-2021	MRL NPK
Class: 07 Int. . -						
POSIMATIC	Norway ORD	2047-TMPST Metalworking Products	NO	212404 13-Dec-2001	Registered 13-December-2021	MRL NPK
Class: 07 Int. . -						
POSIMATIC	Singapore ORD	2047-TMPST Metalworking Products	SG	T01/08957C 19-Jun-2001	Registered 19-June-2021	MRL NPK
Class: 07 Int. . -						
POSIMATIC	Taiwan ORD	2047-TMPST Metalworking Products	TW	1022363 15-Nov-2002	Registered 15-November-2022	MRL NPK
Class: 07 Int. . -						
POSIMATIC	United States of America ORD	2047-TMPST Metalworking Products	US	2,660,443 10-Dec-2002	Registered 10-December-2022	MRL NPK
Class: 07 Int. . -						
POSIMATIC	Venezuela ORD	2047-TMPST Metalworking Products	VE	P-243882 27-Feb-2003	Registered 27-February-2028	MRL NPK
Class: 07 Int. . -						

Registered Trademarks

Trademark	Country Case Type	Case Number Division	SubCase	Registration Number Registration Date	Status Next Renewal Date	Attorneys
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STELLRAM	China (People's Republic) ORD	STELLRAMCN Metalworking Products		1976071 14-Oct-2005	Registered 13-October-2015	MRL NPK
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Class: 07 Int. -

STELLRAM	Taiwan ORD	STELLRAMTW Metalworking Products		1020398 31-Oct-2002	Registered 31-October-2022	MRL NPK
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Class: 07 Int. -

Registered Trademarks

Trademark	Country Case Type	Case Number Division	SubCase	Registration Number Registration Date	Status Next Renewal Date	Attorneys
STELLRAM & DESIGN (Racetrack)	United States of America ORD	2080-TMPST Metalworking Products	US	2,963,682 28-Jun-2005	Registered 28-June-2015	MRL NPK

Class: 07 Int. -

STELLRAM & DESIGN (Racetrack)	Taiwan ORD	KL030769TW Metalworking Products		1155853 01-Jun-2005	Registered 01-June-2015	MRL NPK
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Class: -

Registered Trademarks

Trademark	Country Case Type	Case Number Division	SubCase	Registration Number Registration Date	Status Next Renewal Date	Attorneys
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STELLRAM IN CHINESE	China (People's Republic) ORD	STELLRAMch Metalworking Products		1976069 14-Apr-2003	Registered 13-April-2023	MRL NPK
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Class: 07 Int. -

Pending Trademarks

Trademark	Country Case Type	Case Number Division	SubCase	Application Number Filing Date	Status Publication Date	Attorneys
HARDCORE	India	1095-TMPST	IN	1414781	Published	MRL
	ORD	Metalworking Products		18-Jan-2006	16-September-2008	NPK JEB
Class: 06 Int., 07 Int.						
LANDIS (DESIGN)	India	NewLandis	IN	1664491	Pending	MRL
	ORD	Metalworking Products		13-Mar-2008		NPK
Class: 07 Int.						