

TRADEMARK ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
Pyrotek Incorporated		06/26/2006	CORPORATION: WASHINGTON

RECEIVING PARTY DATA	
Name:	U.S. Bank National Association
Street Address:	1420 Fifth Avenue, 11th Floor
Internal Address:	PD-WA-T11S
City:	Seattle
State/Country:	WASHINGTON
Postal Code:	98101
Entity Type:	CORPORATION: WASHINGTON

PROPERTY NUMBERS Total: 18

Property Type	Number	Word Mark
Registration Number:	2305267	PYROGLOW
Registration Number:	1452119	SST
Registration Number:	1829198	METAULLICS
Registration Number:	1876220	MCF
Registration Number:	1915991	ROX-BOND
Registration Number:	2483141	MAC
Registration Number:	2505048	
Registration Number:	2557036	SHUR-LOK
Registration Number:	2687280	METJET
Registration Number:	2738011	TENSOR
Registration Number:	2849331	FUSAL
Registration Number:	2867484	BPF
Registration Number:	3002494	CERATEK

CH \$465.00 2305267

Registration Number:	3013954	RFM
Registration Number:	3013955	PYROBOARD
Serial Number:	78532730	PYROSHELL
Serial Number:	78762120	PYROTEK
Serial Number:	78792108	TITAN

CORRESPONDENCE DATA

Fax Number: (206)359-7771
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
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Email: malmberg@perkinscoie.com
Correspondent Name: Perkins Coie LLP
Address Line 1: PO Box 1247
Address Line 2: Patent - SEA
Address Line 4: Seattle, WASHINGTON 98111-1247

ATTORNEY DOCKET NUMBER:	12187-2289-US00
NAME OF SUBMITTER:	Stephen E. Arnett
Signature:	/sea/
Date:	08/01/2007

Total Attachments: 16
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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This INTELLECTUAL PROPERTY SECURITY AGREEMENT (as amended, supplemented or otherwise modified from time to time, the "IP Security Agreement") dated June 26, 2006, is made by PYROTEK INCORPORATED, a Washington corporation ("Grantor") in favor of U.S. Bank National Association, as administrative agent (in such capacity, the "Agent") for the Lenders (as defined below).

WHEREAS, Grantor has entered into a Credit Agreement dated as of June 26, 2006 (as amended, amended and restated, supplemented or otherwise modified from time to time, the "Credit Agreement"), with Agent and the banks and other financial institutions or entities from time to time party thereto (the "Lenders"). Terms defined in the Credit Agreement and not otherwise defined herein are used herein as defined in the Credit Agreement.

WHEREAS, as a condition precedent to the making of Loans and the issuance of Letters of Credit under the Credit Agreement, Grantor has executed and delivered that certain Guarantee and Collateral Agreement dated as of June 26, 2006 made by Grantor to Agent for the benefit of the Lenders (as amended, amended and restated, supplemented or otherwise modified from time to time, the "Collateral Agreement").

WHEREAS, under the terms of the Collateral Agreement, Grantor has granted to the Agent, for the ratable benefit of the Lenders, a security interest in, among other property, certain intellectual property of Grantor, and has agreed as a condition thereof to execute this IP Security Agreement for recording with the U.S. Patent and Trademark Office, the United States Copyright Office and other governmental authorities.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Grantor agrees as follows:

SECTION 1: Grant of Security. Grantor hereby assigns and transfers to the Agent, and hereby grants to the Agent, for the ratable benefit of the Lenders, a security interest in all of the following property now owned or at any time hereafter acquired by Grantor or in which Grantor now has or at any time in the future may acquire any right, title or interest (collectively, the "Collateral"):

- (i) all letters patent of the United States, any other country or any political subdivision thereof, all reissues and extensions thereof and all goodwill associated therewith, including, without limitation, any of the foregoing referred to in Schedule A; and all applications for letters patent of the United States or any other country and all divisions, continuations and continuations-in-part thereof, including, without limitation, any of the foregoing referred to on Schedule A (collectively, the "Patents"); and all rights to obtain any reissues or extensions of the foregoing;
- (ii) all agreements, whether written or oral, providing for the grant by or to Grantor of any right to manufacture, use or sell any invention covered in

whole or in part by any Patent, including, without limitation, any of the foregoing referred to on Schedule A (collectively, the "Patent Licenses");

(iii) all trademarks, trade names, corporate names, company names, business names, fictitious business names, trade styles, service marks, logos and other source or business identifiers, and all goodwill associated therewith, now existing or hereafter adopted or acquired, all registrations and recordings thereof, and all applications in connection therewith, whether in the United States Patent and Trademark Office or in any similar office or agency of the United States, any State thereof or any other country or any political subdivision thereof, or otherwise, and all common-law rights related thereto, including, without limitation, any of the foregoing referred to on Schedule B (collectively, the "Trademarks"), and the right to obtain all renewals thereof;

(iv) any agreement, whether written or oral, providing for the grant by or to Grantor of any right to use any Trademark, including, without limitation, any of the foregoing referred to in Schedule B (collectively, the "Trademark Licenses");

(v) all copyrights arising under the laws of the United States, any other country or any political subdivision thereof, whether registered or unregistered and whether published or unpublished (including, without limitation, those listed in Schedule C), all registrations and recordings thereof, and all applications in connection therewith, including, without limitation, all registrations, recordings and applications in the United States Copyright Office (collectively, the "Copyrights"); and the right to obtain all renewals thereof;

(vi) any written agreement naming Grantor as licensor or licensee (including, without limitation, those listed in Schedule C), granting any right under any Copyright, including, without limitation, the grant of rights to manufacture, distribute, exploit and sell materials derived from any Copyright (collectively, the "Copyright Licenses");

(vii) all rights to sue at law or in equity for any infringement or other impairment of any Copyrights, Copyright Licenses, Patents, Patent Licenses, Trademarks and Trademark Licenses, including the right to receive all proceeds and damages therefrom; and

(viii) to the extent not otherwise included, all proceeds, supporting obligations and products of any and all of the foregoing.

SECTION 2. Security for Obligations. The grant of a security interest in the Collateral by Grantor under this IP Security Agreement secures the payment of all Obligations (as defined in the Collateral Agreement) of Grantor now or hereafter existing under or in respect of the Loan Documents, whether direct or indirect, absolute or contingent, and whether for

principal, reimbursement obligations, interest, premiums, penalties, fees, indemnifications, contract causes of action, costs, expenses or otherwise.

SECTION 3. Recordation. Grantor authorizes and requests that the Register of Copyrights, the Commissioner for Patents and the Commissioner for Trademarks and any other applicable government office record this IP Security Agreement.

SECTION 4. Execution in Counterparts. This IP Security Agreement may be executed in any number of counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement.

SECTION 5. Grants, Rights and Remedies. This IP Security Agreement has been entered into in conjunction with the provisions of the Collateral Agreement. Grantor does hereby acknowledge and confirm that the grant of the security interest hereunder to, and the rights and remedies of, the Agent with respect to the Collateral are more fully set forth in the Collateral Agreement, the terms and provisions of which are incorporated herein by reference as if fully set forth herein.

SECTION 6. Governing Law. This IP Security Agreement shall be governed by, and construed in accordance with, the laws of the State of Washington.

IN WITNESS WHEREOF, Grantor has caused this IP Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

PYROTEK INCORPORATED

By Paul A. Rieckers
Name: PAUL A. RIECKERS
Title: CHIEF FINANCIAL OFFICER

Address for Notices:

Pyrotek Incorporated
9503 East Montgomery
Spokane, Washington 99206
Attention: Chief Financial Officer

Schedule A
Patents and Patent Applications

See Attached.

**Pyrotek Inc.
Corporate Patents**

Patent Number	Issue Date	Title
US 5,851,943		Ceramic Production Process
US 5,755,847		Insulator Support Assembly And Pushbar Mechanism For Handling Glass Container
US 5,425,410		Sand Casting Mold Riser/Sprue Sleeve
US 5,383,651		Aluminum Coil Annealing Tray Support Pad
US 6,679,936	20-Jan-04	Molten Metal Degassing Apparatus
US 6,848,497		Casting Apparatus
US 6,716,147		Insulating Sleeve Roll
11/044,890		Metal Handling Apparatus
US 6,060,014	5/9/2000	Gas Dispersion Apparatus For Molten Aluminum Refining
US 5,718,416	2/17/98	Lid And Containment Vessel For Refining Molten Metal
US 5,656,235	8/12/97	Trough Airlock For Refining Furnace
US 5,395,096	3/7/95	Drop-In Furnace Lining covers AT, GR, SE
EPO 0661506B1		
AU 675739		
BR PI-9404773-1		
CA 2136771		
CN 94117823-4		
KOREA 361510		
NO 303469		
ZA 94/9406		
INDIA - 190614		
US 5,364,078	11/15/94	Gas Dispersion Apparatus For Molten Aluminum Refining
AT-Pending		

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Pyrotek Inc.
Corporate Patents

Patent Number	Issue Date	Title
BE-Pending		
EPO-Pending		
FR-Pending		
DE-Pending		
GR-Pending		
IT-Pending		
LU-Pending		
NL-Pending		
PT-Pending		
ES-Pending		
SE-Pending		
CH-Pending		
GB-Pending		
US 5,234,202	2/18/92	International Application - Gas Dispersion Apparatus For Molten Aluminum Refining
EP 050052B1	6-Nov-96	
AT 647241		
AU 659041-DIV		
BE 0500052		
BR PI-9200532-2		
CA 2061417		
CN 92101126-1		
CN 96103785-7-DIV		
FI 100665		
FR 0500052		
DE 69214975-9		
IT 0500052		
JP 2856972		
Korea - 144013		
LU 0500052		
NL 0500052		
NZ 241843		
NZ 270522-DIV		
NO 180309		
NO 19962052-DIV		
PL 170327		

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**Pyrotek Inc.
Corporate Patents**

Patent Number	Issue Date	Title
RU 2090635		
ZA 92-1172		
ES 0500052		
SE 92102691-0		
CH 0500052-0		
GB 0500052		
Venezuela - 218-92		
US - Pending		Inline Degassing Apparatus
JP 2002-79703		Inline Degassing Apparatus
US 5,198,180	30-Mar-93	Gas Dispersion Apparatus With Rotor And Stator For Molten Aluminum Refining
US 5,158,737	21-Oct-92	Apparatus For Refining Molten Aluminum
US 5,120,027	9-Jun-92	Heater Arrangement For Aluminum Refining Systems
US 5,085,536	4-Feb-92	Strengthened Graphite-Metal Threaded Connection
JP 2512323		
RU 1838679		
US 4,998,710	12-Mar-92	Apparatus for Holding and Refining of Molten Aluminum
EP 0428363B1	28-Jun-95	
AT 6271333		
BE 0539		
CA 0428363		
FR 0428363		
DE 69020500-7		
IN 179226		
IT 0428363		
JP 2742833		
LU 0428363		
NZ 236049		
NO 178.9759		
ES 0428363		
GB 0428363		

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**Pyrotek Inc.
Corporate Patents**

<u>Patent Number</u>	<u>Issue Date</u>	<u>Title</u>
US 4,941,647	17-Jul-90	Protective Lining For Aluminum Refining Vessel
EP 04177347B1	9-Nov-94	
AU 626773		
FR 0417734		
DE 69014034-7		
JP 2048501		
GB 0417734		
US 4,717,126	5-Jan-88	Apparatus For Holding And Refining Of Molten Aluminum
CA 1288942		
US 4,685,822	11-Aug-87	Strengthened Graphite-Metal Threaded Connection
US 5,470,201	28-Nov-95	Molten Metal Pump with Vaned Impeller
US 5,586,863	24-Dec-96	Molten Metal Pump with Vaned Impeller
US 5,634,770	03-Jun-97	Molten Metal Pump with Vaned Impeller
CA 2097648	28-Apr-98	
DE 69313962.5-08	17-Sep-97	
FR EP0586800	17-Sep-97	
GB EP0586800	17-Sep-97	
GR EP0586800	17-Sep-97	
IT EP0586800	17-Sep-97	
JP 3494452	21-Nov-03	
MX 186491	16-Oct-97	
NL EP0586800	17-Sep-97	
US 5,143,357	01-Sep-92	Melting Metal Particles and Dispersing Gas with Vaned Impeller
US 5,294,245	14-Mar-94	Melting Metal Particles and Dispersing Gas with Vaned Impeller
US 5,310,412	10-May-94	Melting Metal Particles and Dispersing Gas with Vaned Impeller

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**Pyrotek Inc.
Corporate Patents**

<u>Patent Number</u>	<u>Issue Date</u>	<u>Title</u>
US 4,898,367	06-Feb-90	Dispersing Gas into Molten Metal
US 4,954,167 CA 2009022	04-Sep-90	Dispersing Gas into Molten Metal
US 4,940,384	10-Jul-90	Molten Metal Pump with Filter
US 5,092,821 CA 2034332	03-Mar-92 01-Apr-03	Drive System for Impeller Shafts
US 5,078,572	07-Jan-92	Molten Metal Pump with Filter
US 5,286,163	15-Feb-94	Molten Metal Pump with Filter
US 5,685,701	11-Nov-97	Bearing Arrangements for Molten Aluminum Pumps
US 5,993,728 CA 2262108 MX 212919	30-Nov-99 06-Jan-04 11-Feb-03	Gas Injection Pump
US 6,036,745 MX 208293	14-Mar-00 10-Jun-02	Molten Metal Charge Well
US 6,250,881 CA 2197259	26-Jun-01 05-Jul-05	Molten Metal Shaft and Impeller Bearing Assembly
US 5,785,494	28-Jul-98	Molten Metal Impeller
US 6,254,340	03-Jul-01	Molten Metal Impeller
US 6,464,458 BE EP0834021 CA 2222812 DE 69722878.9 FR EP0834021 GB EP0834021	15-Oct-02 18-Jun-03 24-Jun-03 18-Jun-03 18-Jun-03 18-Jun-03	Molten Metal Impeller

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**Pyrotek Inc.
Corporate Patents**

Patent Number	Issue Date	Title
IT EP0834021	18-Jun-03	
CA - Filed 2327770		
EP - Filed 99916506.1		
US 5,947,705	07-Sep-99	Molten Metal Impeller
CA 2263107	30-Apr-02	
EP EP0917625	12-Nov-03	
GB EP0917625	12-Nov-03	
MX 212920	11-Feb-03	
US 6,231,639	15-May-01	Modular Filer for Molten Metal
JP Filed - 10-538562		
US 6,217,823	17-Apr-01	Metal Scrap Submergence System
AT E244773	09-Jul-03	
CA Filed -2322654		
DE 69909458.8	09-Jul-03	
FR EP1070149	09-Jul-03	
GB EP1070149	09-Jul-03	
IT EP1070149	09-Jul-03	
MX 211952	09-Dec-02	
US 6,451,247	17-Sep-02	Shaft and Post Assemblies for Molten Metal Apparatus
AU 760328	28-Aug-03	
BE EP1129295	16-Mar-05	
CA Filed - 2348485		
DE 69924278.9	16-Mar-05	
EP EP1129295	16-Mar-05	
EP Filed 05000809.3		
ES 99971898.4	16-Mar-05	
FR 99971898.4	16-Mar-05	
GB EP1129295	16-Mar-05	
HK Filed 05109024.6		
IT EP1129295	16-Mar-05	
JP Filed 2000-581371		
MX Filed PA/a/2001/004391		

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**Pyrotek Inc.
Corporate Patents**

Patent Number	Issue Date	Title
US 6,887,425	03-May-05	Shaft and Post Assemblies for Molten Metal Apparatus
US 11/120,061		Shaft and Post Assemblies for Molten Metal Apparatus
US 6,358,467	19-Mar-02	Universal Coupling
AU 773288	02-Sep-04	
CA Filed - 2367546		
EP Filed - 00920224.3		
MX Filed - PA/a/2001/009641		
US 6,551,060	22-Apr-03	Pump for Molten Materials with Suspended Solids
CA Filed - 2333808		
US 6,843,640	18-Jan-05	Pump for Molten Materials with Suspended Solids
US 5,350,440	27-Sep-94	Furnace with Deflecting Surface and Method of Charging Metal Solids
AT E0144559	23-Oct-96	
AU 671142	03-Dec-96	
BE EP0658216	23-Oct-96	
CA 2142893	09-Nov-04	
CH EP0658216	23-Oct-96	
DE 69305650.9	23-Oct-96	
EP EPC0658216	23-Oct-96	
ES 2094560	23-Oct-96	
FR EP0658216	23-Oct-96	
GB 2269889	10-Apr-96	
GR 3021666	23-Oct-96	
IT EP0658216	23-Oct-96	
JP 3559041	28-May-04	
NL EP0658216	23-Oct-96	
SE EP0658216	23-Oct-96	
US 6,497,559	16-Apr-02	System for Coupling a haft to an Outer Shaft Sleeve
US 6,371,723	16-Apr-02	System for Coupling a haft to an Outer Shaft Sleeve

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**Pyrotek Inc.
Corporate Patents**

Patent Number	Issue Date	Title
US 6,709,234 CA 2459704	23-Mar-04	Impeller Shaft Assembly System
No number yet		Molten Metal Pump System - Pending
US 6,869,271	22-Mar-05	Molten Metal Pump System
US 6,869,564 MX PA/a/2005/004332 DE 10393591.6 CA 2,508,564	22-Mar-05	Molten Metal Pump System
US 10/310,682 CA 2,506,558 EPO 03812517.5-2307 MX PA/a/2005/005877	20-Dec-05	Molten Metal Shaft Coupling System
US 6,918,741 CA 2,505,747 EPO 03786752.0 Pending MX PA/a/2005/005083 Pending	19-Jul-05	Molten Metal Pump Impeller System Pending
US 11/011,802		Pump for Molten Materials with Suspended Solids
US 10/659,817		Bonded Particle Filters
US 10/723,504		Material Submergence System
US 10/881,738		Material Submergence System
US 10/399,508		Furnaces and Methods of Melting
CA 2436793		Improvements in and relating to Furnaces and Methods of Melting

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**Pyrotek Inc.
Corporate Patents**

Patent Number	Issue Date	Title
US 10/875,784		<i>Molten Metal Transfer Pipe</i>
AU 2001243549		<i>Alloy Composition Suitable for Molten Magnesium Environment</i>
US 11/119,669		<i>Alloy Composition Suitable for Molten Magnesium Environment</i>
US 09/706,891		<i>Material Formulation for Galvanizing Equipment Submerged in Molten Aluminum</i>
US 08/958,614		<i>Material Formulation for Galvanizing Equipment Submerged in Molten Aluminum</i>
DE/19681459.6		<i>Bubble Apparatus for Removing and Diluting Dross in a Steel Treating Bath</i>
US 5118544		Heat resistant composition processable by vacuum forming
US 5612266		Decorative, non-combustible synthetic fire-log
US 5880046		RFM - Moldable refractory composition and process for preparing the same
US 5360771		(Wollite) Light weight mineral foam and process for preparing the same
US 5154955		Fiber-reinforced cement composition
US 5250588		Organic friction material composition for use to produce friction linings
US 6254810		Method for coating protecting and rigidifying a fabric made of heat-resistant fibers
US 5362690		(Isocast) Refractory castable composition and process for its manufacture
CA 2005/000626		A device and a method for cleaning and purifying molten aluminum
CA 2004/001997		Free flowing dry back-up insulating material
CA 99/00059		Improved molten metal filtration and distribution device and method for manufacturing
GB 2352992		Distributor Device for use in metal casting

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**Pyrotek Inc.
Corporate Patents**

<u>Patent Number</u>	<u>Issue Date</u>	<u>Title</u>
AU 757704		Distributor Device for use in metal casting
EP 1198314		Distributor Device for use in Metal Casting
EP 1354652		Distributor Device for use in metal casting
EP 1504834		Distributor Device for use in metal casting
RU 2220817		Distributor Device for use in metal casting
ZA 2002/0255		Distributor Device for use in metal casting
GB 2399527		Continuous Casting Installation & Process

**Schedule B
Trademarks and Trademark Applications**

See Attached.

**Pyrotek Inc.
Trademarks**

Trademark Number	Location	Country	Serial Number	Registration Number	Application Date	Registration Date
SNIF	Corporate	Venezuela	8,491-90		21-May-90	
PYROGLOW	Corporate	USA	2305267	2305267	18-Dec-97	
CERATEK	Corporate	USA	3002494-		27-Sep-05	
RFM	Corporate	USA	78320936	3013954	30-Oct-03	8-Nov-2005
PYROBOARD	Corporate	USA	3013955*	3013955	30-Oct-03	8-Nov-2005
FUSAL	Corporate	USA	2849331*		01-Jun-04	
TITAN	Corporate	USA	78792108		16-Jan-06	
PYROTEK	Corporate	USA	78762120		29-Nov-05	
PYROBOARD	Corporate	USA	78320950	3013955	30-Oct-03	8-Nov-2005
MCF	Metallfics	USA	74485603	1876220	02-Feb-94	31-Jan-1995
SST	Metallfics	USA	73601656	1452119	02-Jun-86	11-Aug-1987
Metallfics Logo	Metallfics	USA	75633008	2505048	03-Feb-99	6-Nov-2001
Metallfics	Metallfics	USA	74339187	1829198	11-Dec-92	5-Apr-1994
ROX-BOND	Metallfics	USA	74520812	1915991	09-May-94	5-Sep-1995
BPF	Metallfics	USA	76458887	2867484	17-Oct-02	27-Jul-2004
TENSOR	Metallfics	USA	76240724	2738011	13-Apr-01	16-Oct-2001
METJET	Metallfics	USA	76240722	2687280	13-Apr-01	11-Feb-2003
SHUR-LOK	Metallfics	USA	75943101	2557036	14-Mar-00	15-May-2001
MAC	Metallfics	USA	75676242	2483141	07-Apr-99	21-Nov-2000
PYROSELL	Corporate	USA	78532730		15-Dec-04	