

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM602388

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
Delaware Trust Company		10/09/2020	Corporation: DELAWARE
RECEIVING PARTY DATA			
Name:	APDN (B.V.I.) Inc.		
Street Address:	25 Health Sciences Drive		
Internal Address:	Suite 113		
City:	Stony Brook		
State/Country:	NEW YORK		
Postal Code:	11790		
Entity Type:	Corporation: VIRGIN ISLANDS, BRITISH		
PROPERTY NUMBERS Total: 13			
Property Type	Number	Word Mark	
Serial Number:	87078346	GEOTYPING	
Registration Number:	5182183	BEACON	
Registration Number:	5182184	BEACON	
Registration Number:	5142544	SIGNIFY	
Registration Number:	3489209	APPLIED DNA	
Registration Number:	4120445	CASHIELD DEGRADATION INK C 5 354	
Registration Number:	4491643	DIGITALDNA	
Registration Number:	4058892	DNANET	
Registration Number:	3862228	FIBERTYPING	
Registration Number:	4085298	PIMATYPING	
Registration Number:	3482366	SIGNATURE	
Registration Number:	4147273	SMARTDNA	
Serial Number:	87343172	BEACON	
CORRESPONDENCE DATA			
Fax Number:	2156894688		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>			
Phone:	215-981-4194		

CH \$340.00 87078346

Email: paul.kennedy@troutman.com, theresa.catalano@troutman.com,
michael.tier@troutman.com
Correspondent Name: Paul J. Kennedy
Address Line 1: 3000 Two Logan Square
Address Line 2: Eighteenth and Arch Streets
Address Line 4: Philadelphia, PENNSYLVANIA 19103-2799

ATTORNEY DOCKET NUMBER: 143260.1-Rel. APDN

NAME OF SUBMITTER: Paul J. Kennedy

SIGNATURE: /Paul J. Kennedy/

DATE SIGNED: 10/12/2020

Total Attachments: 27

source=Release of Security Interest - Delaware Trust to APDN#page1.tif
source=Release of Security Interest - Delaware Trust to APDN#page2.tif
source=Release of Security Interest - Delaware Trust to APDN#page3.tif
source=Release of Security Interest - Delaware Trust to APDN#page4.tif
source=Release of Security Interest - Delaware Trust to APDN#page5.tif
source=Release of Security Interest - Delaware Trust to APDN#page6.tif
source=Release of Security Interest - Delaware Trust to APDN#page7.tif
source=Release of Security Interest - Delaware Trust to APDN#page8.tif
source=Release of Security Interest - Delaware Trust to APDN#page9.tif
source=Release of Security Interest - Delaware Trust to APDN#page10.tif
source=Release of Security Interest - Delaware Trust to APDN#page11.tif
source=Release of Security Interest - Delaware Trust to APDN#page12.tif
source=Release of Security Interest - Delaware Trust to APDN#page13.tif
source=Release of Security Interest - Delaware Trust to APDN#page14.tif
source=Release of Security Interest - Delaware Trust to APDN#page15.tif
source=Release of Security Interest - Delaware Trust to APDN#page16.tif
source=Release of Security Interest - Delaware Trust to APDN#page17.tif
source=Release of Security Interest - Delaware Trust to APDN#page18.tif
source=Release of Security Interest - Delaware Trust to APDN#page19.tif
source=Release of Security Interest - Delaware Trust to APDN#page20.tif
source=Release of Security Interest - Delaware Trust to APDN#page21.tif
source=Release of Security Interest - Delaware Trust to APDN#page22.tif
source=Release of Security Interest - Delaware Trust to APDN#page23.tif
source=Release of Security Interest - Delaware Trust to APDN#page24.tif
source=Release of Security Interest - Delaware Trust to APDN#page25.tif
source=Release of Security Interest - Delaware Trust to APDN#page26.tif
source=Release of Security Interest - Delaware Trust to APDN#page27.tif

**TERMINATION AND RELEASE OF
SECURITY INTEREST IN INTELLECTUAL PROPERTY**

This Termination and Release of Security Interest in Intellectual Property (“Release”) is made this 9 day of October, 2020, by Delaware Trust Company, a Delaware corporation, as collateral agent (the “Collateral Agent”), in favor of APDN (B.V.I) Inc., a corporation formed under the laws of the British Virgin Islands (the “Grantor”).

WHEREAS, pursuant to the terms and conditions of that certain Intellectual Property Security Agreement by Grantor in favor of Collateral Agent, dated October 19, 2018, as (as amended, amended and restated, supplemented or otherwise modified from time to time, the “IP Security Agreement”), Grantor granted to Collateral Agent a continuing security interest in all of Grantor’ right, title and interest in, to and under the Collateral (as defined in the IP Security Agreement);

WHEREAS, the IP Security Agreement was amended by that certain First Amendment to Intellectual Property Security Agreement dated February 26, 2019 (the “First Amendment”) and Second Amendment to Intellectual Property Security Agreement dated June 19, 2019.

WHEREAS, Grantor and Collateral Agent entered into the IP Security Agreement in connection with that certain Securities Purchase Agreement dated as of July 16, 2019 (the “Purchase Agreement”) and pursuant to the terms and conditions of that certain Guaranty and Security Agreement, dated as of October 19, 2018 (the “Security Agreement”);

WHEREAS, the IP Security Agreement was recorded with the United States Patent and Trademark Office (“USPTO”) on February 27, 2019 at Reel/Frame 048460/0095 with respect to Patents;

WHEREAS, the First Amendment was recorded with the USPTO on February 27, 2019 at Reel/Frame 048460/0160, with respect to Patents;

WHEREAS, the IP Security Agreement was recorded with the USPTO on October 19, 2018 at Reel/Frame 006576/0001, with respect to Trademarks;

WHEREAS, the First Amendment was recorded with the USPTO on February 26, 2019 at Reel/Frame 006576/0029, with respect to Trademarks;

WHEREAS, the Grantors’ Secured Obligations (as defined in the Security Agreement) under the Purchase Agreement have been satisfied in full and the security interest granted to Collateral Agent pursuant to the IP Security Agreement has been released by Collateral Agent;

WHEREAS, Collateral Agent has the requisite power and authority to release and discharge its security interest in and to the Collateral; and

WHEREAS, the parties desire to confirm and evidence the termination and release of the security interest in, to and under the Collateral.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Collateral Agent, on behalf of itself and its successors, legal representatives and assigns, hereby unconditionally, irrevocably and absolutely (i) terminates the IP Security Agreement, (ii) assigns to Grantor all of Collateral Agent's right, title and interest (if any) in and to the Collateral and (iii) terminates, cancels, releases and forever discharges any and all security interests it holds in, to and under the Collateral, including, without limitation, the Collateral set forth on **Exhibit A**.

Collateral Agent shall take all further reasonable actions, and provide to Grantor or their successors, assigns or other legal representatives, all such reasonable cooperation and assistance (including, without limitation, the execution and delivery of any and all documents or other instruments), requested by Grantor to more fully and effectively effectuate the purposes of this Release, in each case, at Grantor' expense. By this instrument, Collateral Agent authorizes and requests Grantor to record this Release with the United States Patent and Trademark Office.

SIGNATURE PAGE FOLLOWS

IN WITNESS WHEREOF, Collateral Agent has caused this Release to be executed by its respective duly authorized representative as of the date first above written.

DELAWARE TRUST COMPANY, as Collateral Agent

By: Benjamin L. Hancock
Name: Benjamin Hancock
Title: Assistant Vice President

Exhibit A
Intellectual Property

PATENTS

Country	Status	Application No.	Application Date	Title	Patent Number	Grant Date
Australia	Filed	2013329256	10/10/2013	USE OF PERTURBANTS TO FACILITATE INCORPORATION AND RECOVERY OF TAGGANTS FROM POLYMERIZED COATINGS		
Australia	Granted	2013331402	10/16/2013	SECURITY SYSTEM AND METHOD OF MARKING AN INVENTORY ITEM AND/OR PERSON IN THE VICINITY	2013331402	02/08/2018
Canada	Filed	2,903,728	10/16/2013	SECURITY SYSTEM AND METHOD OF MARKING AN INVENTORY ITEM AND/OR PERSON IN THE VICINITY		
Canada	Filed	2,926,436	10/07/2014	MULTIMODE IMAGE AND SPECTRAL READER		

Country	Status	Application No.	Application Date	Title	Patent Number	Grant Date
Canada	Granted	2,940,655	03/18/2015	ENCRYPTED OPTICAL MARKERS FOR SECURITY APPLICATIONS	2,940,655	07/07/2020
Canada	Granted	2,945,710	04/14/2015	CONTOUR ENCRYPTION AND DECRYPTION	2,945,710	07/11/2017
Canada	Granted	2,886,472	10/10/2013	USE OF PERTURBANTS TO FACILITATE INCORPORATION AND RECOVERY OF TAGGANTS FROM POLYMERIZED COATINGS	2,886,472	04/18/2017
Canada	Granted	2,713,101	10/04/2007	METHOD FOR A CONTINUOUS RAPID THERMAL CYCLE SYSTEM	2,713,101	09/13/2016
Canada	Granted	2,480,069	03/21/2003	MARKING APPARATUS FOR NUCLEIC ACID MARKING OF ITEMS	2,480,069	07/24/2012

Country	Status	Application No.	Application Date	Title	Patent Number	Grant Date
China P.R.	Filed	201580025351.0	04/14/2015	CONTOUR ENCRYPTION AND DECRYPTION		
China P.R.	Granted	201580014368.6	03/18/2015	ENCRYPTED OPTICAL MARKERS FOR SECURITY APPLICATIONS	106103121	12/06/2019
China P.R.	Granted	03155949.2	08/27/2003	METHOD OF DISSOLVING NUCLEIC ACID IN WATER INSOLUBLE MEDIUM AND ITS APPLICATION	100347315	11/07/2007
China P.R.	Granted	200780045281.0	10/04/2007	METHOD FOR A CONTINUOUS RAPID THERMAL CYCLE SYSTEM	101589157	04/02/2014
China P.R.	Granted	03155949.2	08/27/2003	METHOD FOR MIXING RIBONUCLEIC ACID IN WATER-INSOLUBLE MEDIUM AND UTILIZATION THEREOF	100347315	11/07/2007

Country	Status	Application No.	Application Date	Title	Patent Number	Grant Date
China P. R.	Granted	00107580.2	05/18/2000	A METHOD FOR UTILIZING RIBONUCLEIC ACID AS MARKERS FOR PRODUCT ANTI-COUNTERFEITING LABELS	193957	05/18/2000
European Patent Convention	Granted	03007023.9	03/27/2003	METHOD FOR MIXING RIBONUCLEIC ACID IN WATER-INSOLUBLE MEDIUM AND UTILIZATION THEREOF	1394544	02/04/2009
European Patent Convention	Granted	004018374.1	08/03/2004	A NUCLEIC ACID BASED STEGANOGRAPHY SYSTEM AND APPLICATION THEREOF	1568783	07/11/2007
European Patent Convention	Granted	14852842.5	10/07/2014	MULTIMODE IMAGE AND SPECTRAL READER	3058339	05/22/2019
European Patent Convention	Filed	15780179.6	04/15/2015	CONTOUR ENCRYPTION AND DECRYPTION		

Country	Status	Application No.	Application Date	Title	Patent Number	Grant Date
European Patent Convention	Granted	07852534.2	10/04/2007	METHOD FOR A CONTINUOUS RAPID THERMAL CYCLE SYSTEM	2082061	03/06/2019
European Patent Convention	Filed	15765671.1	03/18/2015	ENCRYPTED OPTICAL MARKERS FOR SECURITY APPLICATIONS		
European Patent Convention	Filed	16783711.1	04/20/2016	HYDROPHOBIC NUCLEIC ACID SALTS AS SECURITY MARKERS		
European Patent Convention	Granted	13776001.3	04/05/2013	PLASMA TREATMENT FOR DNA BINDING	2836813	12/26/2018
European Patent Convention	Granted	13845351.9	10/10/2013	USE OF PERTURBANTS TO FACILITATE INCORPORATION AND RECOVERY OF TAGGANTS FROM POLYMERIZED COATINGS	2906721	12/05/2018

Country	Status	Application No.	Application Date	Title	Patent Number	Grant Date
European Patent Convention	Granted	14784907.9	04/18/2014	LASER MARKING FOR AUTHENTICATION AND TRACKING	2986732	10/10/2018
European Patent Convention	Filed	18178632.8	10/16/2013	SECURITY SYSTEM AND METHOD OF MARKING AN INVENTORY ITEM AND/OR PERSON IN THE VICINITY		
European Patent Convention	Granted	13847647.8	10/16/2013	SECURITY SYSTEM AND METHOD OF MARKING AN INVENTORY ITEM AND/OR PERSON IN THE VICINITY	2909822	06/20/2018
European Patent Convention	Granted	12152848.3	01/27/2012	MARKING COMPOSITION	2482262	09/06/2017
France	Granted	12152848.3	01/27/2012	MARKING COMPOSITION	2482262	09/06/2017
France	Granted	004018374.1	08/03/2004	A NUCLEIC ACID BASED STEGANOGRAPHY SYSTEM AND APPLICATION THEREOF	1568783	07/11/2007

Country	Status	Application No.	Application Date	Title	Patent Number	Grant Date
France	Granted	03007023.9	03/27/2003	METHOD FOR MIXING RIBONUCLEIC ACID IN WATER-INSOLUBLE MEDIUM AND UTILIZATION THEREOF	1394544	02/04/2009
Germany	Granted	004018374.1	08/03/2004	A NUCLEIC ACID BASED STEGANOGRAPHY SYSTEM AND APPLICATION THEREOF	04018374	07/11/2007
Germany	Granted	03007023.9	03/27/2003	METHOD FOR MIXING RIBONUCLEIC ACID IN WATER-INSOLUBLE MEDIUM AND UTILIZATION THEREOF	603 26 065.9	02/04/2009
Germany	Granted	12152848.3	01/27/2012	MARKING COMPOSITION	2482262	09/06/2017
Great Britain	Granted	12152848.3	01/27/2012	MARKING COMPOSITION	2482262	09/06/2017

Country	Status	Application No.	Application Date	Title	Patent Number	Grant Date
Great Britain	Granted	613626.1	07/08/2006	MATERIAL FOR MARKING AN ARTICLE	2439960	11/16/2011
Great Britain	Granted	004018374.1	08/03/2004	A NUCLEIC ACID BASED STEGANOGRAPHY SYSTEM AND APPLICATION THEREOF	1568783	07/11/2007
Great Britain	Granted	03007023.9	03/27/2003	METHOD FOR MIXING RIBONUCLEIC ACID IN WATER-INSOLUBLE MEDIUM AND UTILIZATION THEREOF	1394544	02/04/2009
Great Britain	Granted	0206820.3	03/22/2002	APPLYING AND ANALYSING A NUCLEIC ACID MARKER	2390055	09/07/2005
Hong Kong	Granted	10105127.3	10/04/2007	METHOD FOR A CONTINUOUS RAPID THERMAL CYCLE SYSTEM	1139184	11/14/2014

Country	Status	Application No.	Application Date	Title	Patent Number	Grant Date
India	Granted	P 002 004 00374	08/04/2004	A NUCLEIC ACID BASED STEGANOGRAPHY SYSTEM AND APPLICATION THEREOF	IDO 0026764	08/04/2004
India	Filed	201717024746	07/13/2017	METHOD AND DEVICE FOR MARKING FIBROUS MATERIALS		
Indonesia	Granted	P-002004/00374	08/04/2004	METHOD FOR CONCEALING A SECRET INFORMATION CARRIED WITHIN A DNA MOLECULE AND METHOD FOR DECODING A SECRET INFORMATION THAT HAVE BEEN CONCEALED BY SAID CONCEALING METHOD	IDO 0026764	08/04/2004
Ireland	Granted	12152848.3	01/27/2012	MARKING COMPOSITION	2482262	09/06/2017
Israel	Granted	198028	10/04/2007	METHOD FOR PERFORMING PCR IN A CONTINUOUS RAPID THERMAL CYCLE SYSTEM	198028	07/06/2015

Country	Status	Application No.	Application Date	Title	Patent Number	Grant Date
Italy	Granted	004018374.1	08/03/2004	A NUCLEIC ACID BASED STEGANOGRAPHY SYSTEM AND APPLICATION THEREOF	31679 BE/2007	07/11/2007
Italy	Granted	03007023.9	03/27/2003	METHOD FOR MIXING RIBONUCLEIC ACID IN WATER- INSOLUBLE MEDIUM AND UTILIZATION THEREOF	1394544	02/04/2009
Japan	Filed	2017-501090	03/18/2015	ENCRYPTED OPTICAL MARKERS FOR SECURITY APPLICATIONS		
Japan	Granted	2016-562831	10/14/2016	CONTOUR ENCRYPTION AND DECRYPTION	6273379	01/12/2018
Japan	Granted	2004-225987	08/04/2004	METHOD FOR ENCRYPTING AND DECRYPTING SPECIFIC MESSAGE BY USING NUCLEIC ACID MOLECULE	4452947	4/21/2010

Country	Status	Application No.	Application Date	Title	Patent Number	Grant Date
Japan	Granted	2002/294229	08/30/2002	METHOD FOR MIXING RIBONUCLEIC ACID IN WATER-INSOLUBLE MEDIUM AND UTILIZATION THEREOF	3930794	06/13/2007
Malaysia	Granted	P12004/3145	08/04/2004	A NOVEL NUCLEIC ACID BASED STEGANOGRAPHY AND APPLICATION THEREOF	MY-135976-A	07/31/2008
Patent Cooperation Treaty	Filed	PCT/US2015/025734	04/14/2015	CONTOUR ENCRYPTION AND DECRYPTION		
Patent Cooperation Treaty	Filed	PCT/US2015/021165	03/18/2015	ENCRYPTED OPTICAL MARKERS FOR SECURITY APPLICATIONS		
Patent Cooperation Treaty	Filed	PCT/US18/13549	01/12/2018	TRACEABLE NUCLEIC ACID MARKED FERTILIZER		

Country	Status	Application No.	Application Date	Title	Patent Number	Grant Date
Patent Cooperation Treaty	Filed	PCT/US17/17049	02/08/2017	IDENTIFYING MARKED ARTICLES IN THE INTERNATIONAL STREAM OF COMMERCE		
Patent Cooperation Treaty	Filed	PCT/US17/23579	03/22/2017	METHOD OF MARKING CELLULOSIC PRODUCTS		
Peru	Filed	20171460	12/16/2015	METHOD AND DEVICE FOR MARKING FIBROUS MATERIALS		
Republic of Korea	Granted	61387/2004	08/04/2004	METHOD FOR CONCEALING A SECRET INFORMATION CARRIED WITHIN A DNA MOLECULE AND METHOD FOR DECODING A SECRET INFORMATION THAT HAVE BEEN CONCEALED BY SAID CONCEALING METHOD	4452947	08/04/2004
Switzerland	Granted	004018374.1	08/03/2004	A NUCLEIC ACID BASED STEGANOGRAPHY SYSTEM AND APPLICATION THEREOF	1568783	07/11/2007

Country	Status	Application No.	Application Date	Title	Patent Number	Grant Date
Switzerland	Granted	03007023.9	03/27/2003	METHOD FOR MIXING RIBONUCLEIC ACID IN WATER-INSOLUBLE MEDIUM AND UTILIZATION THEREOF	337023	02/04/2009
Taiwan	Filed	104110480	03/31/2015	IN-FIELD DNA EXTRACTION, DETECTION AND AUTHENTICATION METHODS AND SYSTEMS THEREFOR		
Taiwan	Granted	092119302	07/15/2003	A TRANSFER METHOD OF REWARD FUND CAPABLE FOR IDENTIFYING MULTIPLE TARGETS	1281128	05/11/2007
Taiwan	Granted	2003-0121490	08/06/2003	METHOD FOR CONCEALING A SECRET INFORMATION CARRIED WITHIN A DNA MOLECULE AND METHOD FOR DECODING A SECRET INFORMATION THAT HAVE BEEN CONCEALED BY SAID CONCEALING METHOD	1326308	6/21/2010

Country	Status	Application No.	Application Date	Title	Patent Number	Grant Date
Taiwan	Granted	089108443	03/17/2000	NUCLEIC ACID AS MARKER FOR PRODUCT ANTI-COUNTERFEITING AND IDENTIFICATION	570982	01/11/2004
Taiwan	Granted	089111477	06/13/2000	A DEVICE FOR MULTIPLE POLYMERASE CHAIN REACTIONS IN A CLOSED CONTAINER AND A METHOD OF USING THEREOF	I231311	04/21/2005
Thailand	Granted	92819	08/04/2004	METHOD FOR CONCEALING A SECRET INFORMATION CARRIED WITHIN A DNA MOLECULE AND METHOD FOR DECODING A SECRET INFORMATION THAT HAVE BEEN CONCEALED BY SAID CONCEALING METHOD	156878.3	08/04/2004
Turkey	Filed	2018/03030	01/12/2018	TRACEABLE NUCLEIC ACID MARKED FERTILIZER		

Country	Status	Application No.	Application Date	Title	Patent Number	Grant Date
United States	Filed	14/695,228	04/24/2015	METHODS AND SYSTEMS FOR THE GENERATION OF A PLURALITY OF SECURITY MARKERS AND THE DETECTION THEREOF		
United States	Granted	14/570,242	12/15/2014	SECURITY SYSTEM AND METHOD OF MARKING AN INVENTORY ITEM AND/OR PERSON IN THE VICINITY	10,741,034	08/11/2020
United States	Filed	14/969,582	12/15/2015	INCORPORATING SOLUBLE SECURITY MARKERS INTO CYANOACRYLATE SOLUTIONS		
United States	Granted	14/572,552	12/16/2014	METHOD AND DEVICE FOR MARKING FIBROUS MATERIALS	10,760,182	09/01/2020
Patent Cooperation Treaty	Filed	PCT/US2015/066074	12/16/2015	METHOD AND DEVICE FOR MARKING FIBROUS MATERIALS		
United States	Granted	16/028,176	07/05/2018	ENCRYPTED OPTICAL MARKERS FOR SECURITY APPLICATIONS	10,745,825	08/18/2020

Country	Status	Application No.	Application Date	Title	Patent Number	Grant Date
United States	Filed	15/562,495	09/28/2017	HYDROPHOBIC NUCLEIC ACID SALTS AS SECURITY MARKERS		
Patent Cooperation Treaty	Filed	PCT/US2016/022532	03/16/2016	METHOD FOR AUTHENTICATING ACTIVE PHARMACEUTICAL INGREDIENTS		
United States	Filed	15/427,983	02/08/2017	IDENTIFYING MARKED ARTICLES IN THE INTERNATIONAL STREAM OF COMMERCE		
United States	Filed	15/212,429	07/18/2016	PLASMA TREATMENT FOR DNA BINDING		
United States	Filed	15/722,157	10/02/2017	COMPOSITION AND METHOD OF DNA MARKING ELASTOMERIC MATERIAL		
United States	Filed	62/575, 926	10/20/2017	SYSTEM AND METHOD OF TAGGING OBJECTS WITH DETECTABLE NUCLEIC ACID MARKERS VIA AERIAL DELIVERY		

Country	Status	Application No.	Application Date	Title	Patent Number	Grant Date
United States	Filed	15/870,035	01/12/2018	TRACEABLE NUCLEIC ACID MARKED FERTILIZER		
United States	Granted	15/868,510	01/11/2018	MULTIMODE IMAGE AND SPECTRAL READER	10,282,480	05/07/2019
United States	Granted	15/466,016	03/22/2017	METHOD OF MARKING CELLULOSE PRODUCTS	10,519,605	12/31/2019
United States	Filed	62/524,186	06/23/2017	RAPID AUTHENTICATION OF PHARMACEUTICALS VIA DNA TAGGING AND IN-FIELD DETECTION		
United States	Filed	62/660,158	04/19/2018	SYSTEM AND METHOD FOR PRODUCING PATIENT-SPECIFIC ANTIBODIES VIA LINEAR DNA AMPLICONS		
United States	Filed	62/625,702	02/02/2018	SYSTEM AND METHOD FOR TRACKING ORIGIN OF CANNABIS PRODUCTS AND CANNABIS DERIVATIVE		

Country	Status	Application No.	Application Date	Title	Patent Number	Grant Date
				PRODUCTS		
United States	Filed	62/684,142	06/12/2018	SYSTEMS AND METHODS FOR PRODUCING PATIENT-SPECIFIC TUMOR ANTIGENS VIA LINEAR DNA AMPLICONS		
United States	Filed	62/700,021	07/18/2018	PLANT MATERIAL SPRAYING SYSTEM		
United States	Granted	15/027,454	04/06/2016	MULTIMODE IMAGE AND SPECTRAL READER	9,904,734	02/27/2018
United States	Granted	10/748,412	12/29/2003	METHOD OF MARKING SOLID OR LIQUID SUBSTANCES WITH NUCLEIC ACID FOR ANTI-COUNTERFEITING AND AUTHENTICATION	7,115,301	10/03/2006

Country	Status	Application No.	Application Date	Title	Patent Number	Grant Date
United States	Granted	11/954,038	12/11/2007	METHODS FOR AUTHENTICATING ARTICLES WITH OPTICAL REPORTERS	8,426,216	04/23/2013
United States	Granted	11/954,044	12/11/2007	SYSTEM AND METHOD FOR SECURE DOCUMENT PRINTING AND DETECTION	8,415,164	04/09/2013
United States	Granted	11/954,051	12/11/2007	SYSTEM AND METHOD FOR AUTHENTICATING SPORTS IDENTIFICATION GOODS	8,415,165	04/09/2013
United States	Granted	11/954,030	12/11/2007	OPTICAL REPORTER COMPOSITIONS	8,372,648	02/12/2013
United States	Granted	13/761,447	02/07/2013	OPTICAL REPORTER COMPOSITIONS	9,005,985	04/14/2015
United States	Granted	14/253,641	04/15/2014	CONTOUR ENCRYPTION AND DECRYPTION	9,412,284	08/09/2016

Country	Status	Application No.	Application Date	Title	Patent Number	Grant Date
United States	Granted	11/954,009	12/11/2007	METHODS FOR COVALENT LINKING OF OPTICAL REPORTERS	8,124,333	02/28/2012
United States	Granted	12/307,488	10/26/2009	MARKING MATERIAL	9,171,443	10/27/2015
United States	Granted	13/648,594	10/10/2012	USE OF PERTURBANTS TO FACILITATE INCORPORATION AND RECOVERY OF TAGGANTS FROM POLYMERIZED COATINGS	9,297,032	03/29/2016
United States	Granted	14/497,614	09/26/2014	METHOD AND DEVICE FOR MARKING ARTICLES	9,963,740	05/08/2018
United States	Granted	15/079,214	03/24/2016	USE OF PERTURBANTS TO FACILITATE INCORPORATION AND RECOVERY OF TAGGANTS FROM POLYMERIZED COATINGS	10,059,981	08/28/2018

Country	Status	Application No.	Application Date	Title	Patent Number	Grant Date
United States	Granted	14/661,489	03/18/2015	ENCRYPTED OPTICAL MARKERS FOR SECURITY APPLICATIONS	10,047,282	08/14/2018
European Patent Convention	Granted	03712388.2	3/21/2003	MARKING APPARATUS FOR NUCLEIC ACID MARKING OF ITEMS	1488039	6/7/2006
Vietnam	Granted	1-2004-00742	08/04/2004	METHOD FOR CONCEALING A SECRET INFORMATION CARRIED WITHIN A DNA MOLECULE AND METHOD FOR DECODING A SECRET INFORMATION THAT HAVE BEEN CONCEALED BY SAID CONCEALING METHOD	1-0009182-000	03/29/2011

TRADEMARKS

Docket Number	Client Ref. No.	Country	Application Date	Application No.	Registration Date	Registration No.	Status
2542-10 AUSTRALIA	8251-8 AUSTRALIA	Australia	10/27/2006	1143760	09/29/2008	1143760	Registered
2542-10 CANADA	8251-8 CANADA	Canada	10/26/2006	1321773	11/28/2012	837149	Registered

Bocket Number	Client Ref No.	Country	Application Date	Application No.	Registration Date	Registration No.	Status
2542-89 Int/EU		Community Trademark	8/16/2017	1368527	8/7/2017	1368527	Registered
2542-75 EU		Community Trademark	6/9/2017	16828287	9-Jun-17	16828287	Registered
2542-72 EU		Community Trademark	12/20/2016	16189961	04/24/2017	16189961	Registered
2542-46 EU	8251-59 EPO	Community Trademark	11/09/2009	1022396	11/09/2009	1022396	Registered
2542-54 INTL/EU	8251-70 MP EU	Community Trademark	10/09/2015	1277705	10/09/2015	1277705	Registered
2542-55 INTL/EU	8251-71 MP EU	Community Trademark	10/09/2015	1,280,146	10/09/2015	1,280,146	Registered
2542-33 EU	8251-16 CTM	Community Trademark	07/19/2012	0111054285	12/14/2012	0111054285	Registered
2542-62 INTL/EU	8251-72 MP EU	Community Trademark	10/09/2015	1,277,538	10/09/2015	1,277,538	Registered
2542-63 INTL/EU	8251-73 MP EU	Community Trademark	10/09/2015	1,282,810	10/09/2015	1,282,810	Registered
2542-42 EU	8251-52 CTM	Community Trademark	05/09/2011	009948258	10/13/2011	009948258	Registered
2542-59 EU	8251-66 CTM	Community Trademark	04/16/2010	009034349	09/28/2010	009034349	Registered
2542-58 EU	8251-65 CTM	Community Trademark	05/06/2011	00948258	10/13/2011	00948258	Registered
2542-41 EU	8251-51 CTM	Community Trademark	12/07/2007	006537047	11/21/2008	006537047	Registered
2542-57 EU	8251-64 CTM	Community Trademark	05/06/2011	009948092	10/13/2011	009948092	Registered
2542-29 EU	8251-10 EPO	Community Trademark	08/12/2010	1048621	08/12/2010	1048621	Registered
2542-47 EU	8251-61 EU	Community Trademark	12/07/2007	006536999	11/06/2008	006536999	Registered
2542-56 EU	8251-62 CTM	Community Trademark	05/06/2011	009948118	10/13/2011	009948118	Registered
2542-60 EU	8251-67 CTM	Community Trademark	05/06/2011	009948308	10/13/2011	009948308	Registered
2542-61 EU	8251-68 CTM	Community Trademark	05/06/2011	009948423	10/13/2011	009948423	Registered
2542-10 EU	8251-8 EPO	Community Trademark	10/26/2006	005419031	09/28/2007	005419031	Registered

Bocket Number	Client Ref No.	Country	Application Date	Application No	Registration Date	Registration No.	Status
2542-30 INTL/EU	8251-12 MP EU	Community Trademark	11/22/2013	1,186,977	11/22/2013	1,186,977	Registered
2542-58 UNITED KINGDOM	8251-65	Great Britain	11/09/2009	2531080	05/18/2012	00002531080	Registered
2542-30 INTL/ICELAND	8251-12 MP ICELAND	Iceland	12/19/2013	3594/2013	11/22/2013	1,186,977	Registered
2542-89 Intl		International	8/7/2017	A0069009			Registered
2542-54 INTL	8251-70 MP	International	10/09/2015	A0053765	10/09/2015	1277705	Registered
2542-55 INTL	8251-71 MP	International	10/09/2015	1,280,146	10/09/2015	1/280,146	Registered
2542-62 INTL	8251-72 MP	International	10/09/2015	1277538	10/09/2015	1277538	Registered
2542-63 INTL	8251-73 MP	International	10/09/2015	1,282,810	10/09/2015	1,282,810	Registered
2542-30 INTL	8251-12 MP	International	11/22/2013	A0039418	11/22/2013	1,186,977	Registered
2542-89 Intl/UK		UK	3/6/2017	WE00001368527	1/9/2018	1368527	Registered
2542-84UK		UK	06/22/2017	UK00003238912	09/08/2017	UK00003238 912	Registered
2542-72		United States	06/21/2016	87/078,346			Filed
2542-54	8251-70	United States	04/10/2015	86/593,696	04/11/2017	5,182,183	Registered
2542-55	8251-71	United States	04/10/2015	86/593,862	04/11/2017	5,182,184	Registered
2542-70		United States	06/29/2015	86/677,227	02/14/2017	5,142,544	Registered
2542-9		United States	09/22/2003	76/978,843	08/19/2008	3,489,209	Registered
2542-31	8251-14	United States	12/29/2010	85/207,192	04/03/2012	4,120,445	Registered
2542-33	8251-16	United States	01/25/2012	85/524,990	03/04/2014	4,491,643	Registered
2542-32	8251-15	United States	12/29/2010	85/207,229	11/22/2011	4,058,892	Registered
2542-11	8251-11	United States	05/04/2009	77/728,511	10/12/2010	3,862,228	Registered
2542-12	8251-13	United States	05/04/2009	77/728,499	01/10/2012	4,085,298	Registered
2542-10	8251-8	United States	04/28/2006	78/871,967	08/05/2008	3,482,366	Registered
2542-30	8251-12	United States	08/12/2010	85/105,993	05/22/2012	4,147,273	Registered
2542-88		United States	2/2/2017	87/343,172			Filed

TRADEMARK

