

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM444547

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT OF THE ENTIRE INTEREST AND THE GOODWILL		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Smiths Detection, LLC		07/07/2017	Limited Liability Company: DELAWARE
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	MD US Trace Holding, LLC		
<b>Street Address:</b>	12525 Chadron Ave.		
<b>Internal Address:</b>	c/o Rapiscan Systems, Inc. (an OSI Systems Company)		
<b>City:</b>	Hawthorne		
<b>State/Country:</b>	CALIFORNIA		
<b>Postal Code:</b>	90250		
<b>Entity Type:</b>	Limited Liability Company: DELAWARE		
<b>PROPERTY NUMBERS Total: 5</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Registration Number:</b>	3682394	ENTRYSKAN	
<b>Registration Number:</b>	3458778	ITEMISER	
<b>Registration Number:</b>	2592987	STREETLAB	
<b>Registration Number:</b>	3358058	MOBILETRACE	
<b>Registration Number:</b>	4255467	VAPORTRACER	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	3124643111		
<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>			
<b>Phone:</b>	312-464-3100		
<b>Email:</b>	chicagopto@loeb.com		
<b>Correspondent Name:</b>	Douglas N. Masters c/o Loeb & Loeb LLP		
<b>Address Line 1:</b>	321 N. Clark Street, Suite 2300		
<b>Address Line 4:</b>	Chicago, ILLINOIS 60654		
<b>NAME OF SUBMITTER:</b>	Douglas N. Masters		
<b>SIGNATURE:</b>	/Douglas N. Masters/		
<b>DATE SIGNED:</b>	09/26/2017		

OP \$140.00 3682394

**Total Attachments: 17**

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## INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT

**THIS INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT** (the **IP Agreement**), dated as of July 7 2017, is entered into by and among Smiths Detection, LLC, a limited liability company formed under the laws of the State of Delaware (formerly, Morpho Detection, LLC, which was converted from a corporation formed under the laws of the State of Delaware, Morpho Detection, Inc., to a limited liability company in December 2013) (the **US Seller**, or, the **Assignor**), and MD US Trace Holding, LLC, a limited liability company formed under the laws of the State of Delaware (the **Assignee**). The Assignor and the Assignee are referred to herein individually as a **Party** and collectively as the **Parties**.

Capitalized terms used but not defined herein shall have the meaning given to them in the Equity Purchase Agreement dated May 31, 2017 (the **EPA**), by and between OSI Systems, Inc., OSI (Holdings) Company Limited, the Sellers, and for purposes of Section 11.07 only of the EPA, Smiths Detection Group Limited, a UK limited company.

### RECITALS:

**WHEREAS**, under the terms of the EPA, the Sellers have agreed to convey, transfer, and assign to the Target Companies, among other assets, certain intellectual property of the Assignor, and have agreed to execute and deliver this IP Agreement, for recording with the United States Patent and Trademark Office, and corresponding entities or agencies in any applicable jurisdictions;

**NOW THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and in consideration of the mutual terms, conditions and other agreements set forth herein, and intending to be legally bound hereby, the Parties agree as follows:

1. Assignment. For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Assignor hereby irrevocably conveys, transfers, and assigns to the Assignee, and the Assignee hereby accepts, all of the Assignor's right, title, and interest in and to the following (the **Assigned IP**):

(a) the patents and patent applications set forth on Schedule 1 hereto and all provisionals, issuances, divisions, continuations, continuations-in-part, reissues, extensions, reexaminations, and renewals thereof (the **Patents**);

(b) the trademark registrations and applications set forth on Schedule 2 hereto and all issuances, extensions, renewals, translations, adaptations, derivatives, and combinations thereof (the **Trademarks**), together with the goodwill of the business connected with the use of, and symbolized by, the Trademarks;

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

(d) 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

(e) any and all claims and causes of action, with respect to any of the foregoing, whether accruing before, on, or after the date hereof, 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. Recordation and Further Actions. The Assignor hereby authorizes the Commissioner for Patents and the Commissioner for Trademarks in the United States Patent and Trademark Office, and the officials of corresponding entities or agencies in any applicable jurisdictions to record and register this IP Agreement upon request by the Assignee. Following the date hereof, upon the Assignee's reasonable request, and at the Assignee's sole cost and expense, the Assignor shall take such steps and actions, and provide such cooperation and assistance to the Assignee and its successors, assigns, and legal representatives, including the execution and delivery of any affidavits, declarations, oaths, exhibits, assignments, powers of attorney, or other documents, as may be reasonably necessary to effect, evidence, or perfect the assignment (e.g., by recording the same in any applicable recording office) of the Assigned IP to the Assignee, or any assignee or successor thereto, including signing the following documents and arranging for their delivery to the relevant patent registry or trademark registry:

(a) Patent Form 21 in relation to the assignment of UK patents and patent applications comprised in the Patents delivered to the United Kingdom Intellectual Property Office (the **UKIPO**);

(b) A copy of this Agreement delivered to the European Patent Office (**EPO**) in relation to the assignment of EPO patent applications comprised in the Patents;

(c) Form TM 16 in relation to the assignment of UK trademarks comprised in the Trademarks delivered to the UK IPO; and

(d) Recordal Transfer Form for EUTM Total Transfer in relation to the assignment of European Union trademarks comprised in the Trade Marks delivered to the European Union Intellectual Property Office.

3. Terms of the EPA. The Parties hereto acknowledge and agree that this IP Agreement is entered into pursuant to the EPA, to which reference is made for a further statement of the rights and obligations of the Assignor and the Assignee with respect to the Assigned IP. The representations, warranties, covenants, agreements, and indemnities contained in the EPA shall not be superseded hereby but shall remain in full force and effect to the full extent provided therein. In the event of any conflict or inconsistency between the terms of the EPA and the terms hereof, the terms of the EPA shall govern.

4. Counterparts. This IP Agreement may be executed in counterparts, each of which shall be deemed an original, but all of which together shall be deemed one and the same

agreement. A signed copy of this IP Agreement delivered by facsimile, e-mail, or other means of electronic transmission shall be deemed to have the same legal effect as delivery of an original signed copy of this IP Agreement.

5. Successors and Assigns. This IP Agreement shall be binding upon and shall inure to the benefit of the Parties hereto and their respective successors and assigns.

6. Governing Law. This IP Agreement and any claim, controversy, dispute, or cause of action (whether in contract, tort, or otherwise) based upon, arising out of, or relating to this IP Agreement and the transactions contemplated hereby shall be governed by, and construed in accordance with, the laws of the United States and the State of New York, without giving effect to any choice or conflict of law provision or rule (whether of the State of New York or any other jurisdiction).

SIGNATURE PAGE FOLLOWS

IN WITNESS WHEREOF, the Assignor has duly executed and delivered this IP Agreement as of the date first above written.

**SIGNED, SEALED & DELIVERED**

**SMITHS DETECTION, LLC**

In the presence of: TIMES SIGNAL  
DOWN

  
\_\_\_\_\_  
Witness

By: K. Wright  
Name: Katherine Wright  
Title: Authorized Person

[Signature page to IP Assignment Agreement]

AGREED TO AND ACCEPTED:

MD US TRACE HOLDING, LLC

By: K. Wain  
Name: Katherine Wain  
Title: Authorized Person

[Signature page to IP Assignment Agreement]

TRADEMARK  
REEL: 006161 FRAME: 0875

**SCHEDULE 1  
THE PATENTS**

App No.	Pub No.	Issue / File Date	Pat No.	App Status	Title	Current Applicant / Reg Owner (as applicable)	Jurisdiction
15/064203	N/A	3/8/2016	N/A	Pending	CHEMICAL VAPORIZATION AND DETECTION OF COMPOUNDS HAVING LOW VOLATILITY	Morpho Detection, LLC	US
14/974137	N/A	12/18/2015	N/A	Pending	DETECTION OF COMPOUNDS THROUGH DOPANT-ASSISTED PHOTOIONIZATION	Morpho Detection, LLC	US
15/087251	N/A	3/31/2016	N/A	Pending	DETECTION OF SUBSTANCES OF INTEREST USING GAS-SOLID PHASE CHEMISTRY	Morpho Detection, LLC	US
11/402190	2007-0169570	9/29/2009	7594447	DROPPED	DEVICE FOR TESTING FOR TRACES OF EXPLOSIVES AND/OR DRUGS	Morpho Detection, LLC	US
10/774003	2005-0019220	11/25/2008	7456393	Granted	DEVICE FOR TESTING SURFACES OF ARTICLES FOR TRACES OF EXPLOSIVES AND/OR DRUGS	Morpho Detection, LLC	US
10/929915	2006-0042407	5/23/2006	7047829	Granted	DEVICE FOR TESTING TRACES OF EXPLOSIVES AND/OR DRUGS	Morpho Detection, LLC	US
14/530081	2016-0123942	10/31/2014	N/A	Published	GAS CURTAIN AT INLET FOR TRACE DETECTORS	Morpho Detection, LLC	US
12/082535	2011-0181288	12/24/2013	8614582	Granted	METHOD OF SIMULTANEOUSLY SCREENING A PLURALITY OF PEOPLE	Morpho Detection, Inc.	US
10/886952	2005-0057354	07/08/2007	7253727	Granted	SECURITY CHECKPOINT	Morpho Detection, LLC	US
1516609.3	2536076	9/18/2015	N/A	Published	SELECTIVE ION CHEMISTRY FOR NITRATE DETECTION	Morpho Detection, LLC	GB
2904479	2904479	9/17/2015	N/A	Published	SELECTIVE ION CHEMISTRY FOR NITRATE DETECTION	Morpho Detection, LLC	CA
14/492196	2016-	9/22/2014	N/A	Published	SELECTIVE ION	Morpho	US



App No.	Pub No.	Issue / File Date	Pat No.	App Status	Title	Current Applicant / Reg Owner (as applicable)	Jurisdiction
	0282321				CHEMISTRY FOR NITRATE DETECTION	Detection, LLC	
15/082108	N/A	3/28/2016	N/A	Pending	SYSTEMS AND METHODS FOR GAS PRE-SEPARATION FOR DETECTION OF SUBSTANCES	Morpho Detection, LLC	US
15/064264	N/A	3/8/2016	N/A	Pending	TEMPERATURE INFLUENCED CHEMICAL VAPORIZATION AND DETECTION OF COMPOUNDS HAVING LOW VOLATILITY	Morpho Detection, LLC	US
11/554160	2008-0098794	9/29/2009	7594422	Granted	APPARATUS AND METHOD FOR CALIBRATING A TRACE DETECTION PORTAL	Morpho Detection, LLC	US
11/967539	2009-0166531	2/16/2010	7663099	Granted	APPARATUS AND METHOD FOR GENERATING AN AMMONIA GAS	Morpho Detection, Inc.	US
8172075.7	2075578	5/18/2016	2075578	Granted	APPARATUS FOR GENERATING AMMONIA GAS FOR USE IN AN ION MOBILITY SPECTROMETER	Morpho Detection, LLC	GB
2688352	2688352	6/16/2015	2688352	Granted	HAND-HELD TRACE VAPOR/PARTICLE DETECTION SYSTEM	Morpho Detection, LLC	CA
12/082638	2009-0223310	5/29/2012	8186234	Granted	HAND-HELD TRACE VAPOR/PARTICLE DETECTION SYSTEM	Morpho Detection, Inc.	US
13/860360	2013-0239704	10/14/2014	8857278	Granted	HAND-HELD TRACE VAPOR/PARTICLE SAMPLING SYSTEM	Morpho Detection, Inc.	US
11/639579	2013-0091963	07/05/2013	8434375	Granted	HAND-HELD TRACE VAPOR/PARTICLE SAMPLING SYSTEM	Morpho Detection, Inc.	US
2620405	2620405	08/07/2014	2620405	Granted	HAND-HELD TRACE VAPOR/PARTICLE SAMPLING SYSTEM	Morpho Detection, LLC	CA
11/202455	2007-0034024	11/27/2007	7299710	Granted	HAND-HELD TRACE VAPOR/PARTICLE SAMPLING SYSTEM	Morpho Detection, Inc.	US
11/426442	2008-0067341	02/06/2009	7541577	Granted	METHODS FOR ANALYZING ION MOBILITY DATA	Morpho Detection, Inc.	US
11/075199	2006-	7/22/2008	7401498	Granted	MULTIPLE TRACE	Morpho	US

App No.	Pub No.	Issue / File Date	Pat No.	App Status	Title	Current Applicant / Reg Owner (as applicable)	Jurisdiction
	0196249				PORTAL DETECTION SYSTEMS	Detection, LLC	
10/936112	2006-0049346	11/28/2006	7141786	Granted	PARTICLE SAMPLING PRECONCENTRATOR	Morpho Detection, LLC	US
10/033874	2002-0078767	3/23/2004	6708572	Granted	PORTAL TRACE DETECTION SYSTEMS FOR DETECTION OF IMBEDDED PARTICLES	Morpho Detection, LLC	US
11/687063	2007-0220953	5/25/2010	7721588	Granted	SYSTEMS AND METHODS FOR DETECTING PARTICLES	Morpho Detection, Inc.	US
2644937	2644937	11/24/2015	2644937	Granted	A CONTRABAND SAMPLING SYSTEM WITH A PRECONCENTRATOR FILTER HAVING A THERMALLY CONDUCTIVE FRAME	Morpho Detection, LLC	CA
10/640551	2004-0131503	04/03/2008	7338638	Granted	TRAPPING MATERIALS FOR TRACE DETECTION SYSTEMS	Morpho Detection, LLC	US
10/774004	N/A	11/01/2005	6840122	Granted	PORTAL TRACE DETECTION SYSTEMS FOR DETECTION OF IMBEDDED PARTICLES	Morpho Detection, LLC	US
12/650195	2011-0154918	3/26/2013	8402842	Granted	SURFACE SAMPLING MOBILE CHEMICAL DETECTION PROBE	Morpho Detection, Inc.	US
2538709	2538709	2/26/2013	2538709	Granted	MULTIPLE ION SOURCES INVOLVING ATMOSPHERIC PRESSURE PHOTOIONIZATION	Morpho Detection, LLC	CA
10/672958	2004-0119009	9/19/2006	7109476	Granted	MULTIPLE ION SOURCES INVOLVING ATMOSPHERIC PRESSURE PHOTOIONIZATION	Morpho Detection, LLC	US
2924580	2924580	3/22/2016	N/A	Published	SYSTEM AND METHOD FOR TRACE DETECTION USING DUAL IONIZATION SOURCES	Morpho Detection, LLC	CA
14/666856	2016-0282304	3/24/2015	N/A	Published	SYSTEM AND METHOD FOR TRACE DETECTION USING DUAL IONIZATION SOURCES	Morpho Detection, LLC	US

App No.	Pub No.	Issue / File Date	Pat No.	App Status	Title	Current Applicant / Reg Owner (as applicable)	Jurisdiction
15/135679	N/A	4/22/2016	N/A	Pending	SYSTEMS AND METHODS FOR TRACE CHEMICAL DETECTION USING DUAL PHOTOIONIZATION SOURCES	Morpho Detection, LLC	US
2790430	2790430	9/20/2012	N/A	Published	APPARATUS FOR CHEMICAL SAMPLING AND METHOD OF ASSEMBLING THE SAME	Morpho Detection, Inc.	CA
13/248501	2013-0082172	5/13/2014	8723111	Granted	APPARATUS FOR CHEMICAL SAMPLING AND METHOD OF ASSEMBLING THE SAME	Morpho Detection, Inc.	US
1944520.4	1297554	4/26/2017	1297554	Granted	ATMOSPHERIC PRESSURE PHOTOIONIZER FOR MASS SPECTROMETRY	Morpho Detection, LLC	EP
2411532	2411532	4/13/2010	2411532	Granted	ATMOSPHERIC PRESSURE PHOTOIONIZER FOR MASS SPECTROMETRY	Morpho Detection, LLC	CA
09/596307	N/A	07/10/2003	6630664	Granted	ATMOSPHERIC PRESSURE PHOTOIONIZER FOR MASS SPECTROMETRY	Morpho Detection, LLC	US
2548177	2548177	9/30/2014	2548177	Granted	GLOW DISCHARGE AND PHOTOIONIZATION SOURCE	Morpho Detection, LLC	CA
11/138594	2006-0284103	3/27/2007	7196325	Granted	GLOW DISCHARGE AND PHOTOIONIZATION SOURCE	Morpho Detection, Inc.	US
09/653038	N/A	11/12/2001	6329653	Granted	PHOTOIONIZATION MASS SPECTROMETER	Morpho Detection, LLC	US
2362449	2362449	10/28/2008	2362449	Granted	PHOTOIONIZATION MASS SPECTROMETER	Morpho Detection, Inc.	CA
09/247646	N/A	03/04/2001	6211516	Granted	PHOTOIONIZATION MASS SPECTROMETER	Morpho Detection, LLC	US
15003073.2	3015858	10/27/2015	N/A	Published	GAS CURTAIN AT	Morpho	EP

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					INLET FOR TRACE DETECTORS	Detection, LLC	
2910780	2910780	10/29/2015	N/A	Published	GAS CURTAIN AT INLET FOR TRACE DETECTORS	Morpho Detection, LLC	CA
14004012.2	2884254	11/27/2014	N/A	Published	APPARATUS, SYSTEM AND METHOD FOR FLASH HEATING	Morpho Detection, LLC	EP
12/244381	2009-0038370	12/28/2010	7856898	Granted	CALIBRATION AND VERIFICATION TOOL AND METHOD FOR CALIBRATING A DETECTION APPARATUS	Morpho Detection, LLC	US
11/299915	2007-0131017	11/11/2008	7448248	Granted	CALIBRATION AND VERIFICATION TOOL AND METHOD FOR CALIBRATING A DETECTION APPARATUS	Morpho Detection, LLC	US
2738053	2738053	5/23/2017	N/A	Granted	PHOTOEMISSION INDUCED ELECTRON IONIZATION	Morpho Detection, LLC	CA
13/091365	2011-0278447	10/16/2012	8288735	Granted	PHOTOEMISSION INDUCED ELECTRON IONIZATION	Morpho Detection, Inc.	US
09/386577	N/A	04/12/2001	6326615	Granted	RAPID RESPONSE MASS SPECTROMETER SYSTEM	Morpho Detection, LLC	US
15003417.1	3032570	12/1/2015	N/A	Published	SYSTEMS FOR SEPARATING IONS AND NEUTRALS AND METHODS OF OPERATING THE SAME	Morpho Detection, LLC	EP
2913931	2913931	12/3/2015	N/A	Published	SYSTEMS FOR SEPARATING IONS AND NEUTRALS AND METHODS OF OPERATING THE SAME	Morpho Detection, LLC	CA
14/186820	2015-0007447	10/02/2015	8952327	Granted	DETECTION SYSTEM ASSEMBLY, DRYER CARTRIDGE AND REGENERATOR AND METHODS FOR MAKING AND USING THE SAME	Morpho Detection, Inc.	US
13000897.2	2637013	2/22/2013	N/A	Published	DETECTION SYSTEM ASSEMBLY, DRYER CARTRIDGE, AND	Morpho Detection, LLC	EP

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					REGENERATOR AND METHODS FOR MAKING AND USING THE SAME		
2013100740 07.3	103308590	3/8/2013	N/A	Published	DETECTION SYSTEM ASSEMBLY, DRYER CARTRIDGE, AND REGENERATOR AND METHODS FOR MAKING AND USING THE SAME	Morpho Detection, Inc.	CN
2807894	2807894	2/28/2013	N/A	Published	DETECTION SYSTEM ASSEMBLY, DRYER CARTRIDGE, AND REGENERATOR AND METHODS FOR MAKING AND USING THE SAME	Morpho Detection, Inc.	CA
13/415359	2013-0234013	01/04/2014	8686355	Granted	DETECTION SYSTEM ASSEMBLY, DRYER CARTRIDGE, AND REGENERATOR AND METHODS FOR MAKING AND USING THE SAME	Morpho Detection, Inc.	US
11/966179	2009-0166521	01/02/2011	7880137	Granted	ELECTRODE DESIGN FOR AN ION SPECTROMETER	Morpho Detection, Inc.	US
10/103601	2002-0134933	7/20/2004	6765198	Granted	ENHANCEMENTS TO ION MOBILITY SPECTROMETERS	Morpho Detection, LLC	US
14000785.7	2778650	3/5/2014	N/A	Published	HAND-HELD TRACE PARTICLE SAMPLING SYSTEM AND METHOD OF OPERATING THE SAME	Morpho Detection, LLC	EP
2844222	2844222	2/27/2014	N/A	Published	HAND-HELD TRACE PARTICLE SAMPLING SYSTEM AND METHOD OF OPERATING THE SAME	Morpho Detection, LLC	CA
13/843320	2015-0268147	5/31/2016	9354153	Granted	HAND-HELD TRACE PARTICLE SAMPLING SYSTEM AND METHOD OF OPERATING THE SAME	Morpho Detection, LLC	US
2479875	2479875	2/22/2011	2479875	Granted	HIGH DYNAMIC RANGE ANALOG-TO-DIGITAL CONVERTER	Morpho Detection, LLC	CA

App No.	Pub No.	Issue / File Date	Pat No.	App Status	Title	Current Applicant / Reg Owner (as applicable)	Jurisdiction
10/101670	2003-0173514	5/18/2004	6737642	Granted	HIGH DYNAMIC RANGE ANALOG-TO-DIGITAL CONVERTER	Morpho Detection, LLC	US
11/004495	2005-0139764	09/01/2007	7161144	Granted	INTERFACES FOR A PHOTOIONIZATION MASS SPECTROMETER	Morpho Detection, LLC	US
10/334506	2003-0155500	10/10/2006	7119342	Granted	INTERFACES FOR A PHOTOIONIZATION MASS SPECTROMETER	Morpho Detection, LLC	US
09/910197	2002-0017605	10/02/2004	6690005	Granted	ION MOBILITY SPECTROMETER	Morpho Detection, LLC	US
11/875536	2008-0093549	05/05/2009	7528367	Granted	ION MOBILITY SPECTROMETER	Morpho Detection, Inc.	US
15003658.0	3040717	12/22/2015	N/A	Published	ION MOBILITY SPECTROMETER AND METHOD OF USING THE SAME	Morpho Detection, LLC	EP
2015110154 98.X	105738461	12/30/2015	N/A	Published	ION MOBILITY SPECTROMETER AND METHOD OF USING THE SAME	Morpho Detection, LLC	CN
2915785	2915785	12/18/2015	N/A	Published	ION MOBILITY SPECTROMETER AND METHOD OF USING THE SAME	Morpho Detection, LLC	CA
14/586503	N/A	9/29/2015	9147565	Granted	ION MOBILITY SPECTROMETER AND METHOD OF USING THE SAME	Morpho Detection, LLC	US
10/628753	2004-0056191	12/14/2004	6831273	Granted	ION MOBILITY SPECTROMETERS WITH IMPROVED RESOLUTION	Morpho Detection, LLC	US
2153371	2153371	3/23/1999	2153371	July 6, 2015 Expired	ION TRAP MOBILITY SPECTROMETER AND METHOD OF OPERATION FOR ENHANCED DETECTION OF NARCOTICS	Morpho Detection, LLC	CA
14000925.9	2778669	3/13/2014	N/A	Published	ION TRAP MOBILITY SPECTROMETER AND METHOD OF USING THE SAME	Morpho Detection, LLC	EP
2845959	2845959	3/13/2014	N/A	Published	ION TRAP MOBILITY SPECTROMETER AND METHOD OF USING THE SAME	Morpho Detection, LLC	CA
14/194279	2014-0264002	10/21/2014	8866073	Granted	ION TRAP MOBILITY SPECTROMETER AND	Morpho Detection, LLC	US

App No.	Pub No.	Issue / File Date	Pat No.	App Status	Title	Current Applicant / Reg Owner (as applicable)	Jurisdiction
					METHOD OF USING THE SAME		
09/411455		04/11/2003	6642513	Granted	MATERIALS AND APPARATUS FOR THE DETECTION OF CONTRABAND	Morpho Detection, LLC	US
2285153	2285153	11/05/2010	2285153	Granted	MATERIALS AND APPARATUS FOR THE DETECTION OF CONTRABAND	Morpho Detection, Inc.	CA
10/657223	2004-0094707	09/11/2004	6815670	Granted	MATERIALS AND APPARATUS FOR THE DETECTION OF CONTRABAND	Morpho Detection, LLC	US
99307838.5	0992782	8/31/2005	0992782	Granted	MATERIALS AND APPARATUS FOR THE DETECTION OF CONTRABAND	Morpho Detection, LLC	GB
90/013012	N/A	10/30/2014	6815670 C1	Granted	MATERIALS AND APPARATUS FOR THE DETECTION OF CONTRABAND	Morpho Detection, LLC	US
1219147.4	GB2496286	10/24/2012	N/A	Abandoned	MEMBRANE WITH RADIANT HEATER FOR REDUCED DESORPTION TIME IN ION MOLECULAR SPECTROMETRY	Morpho Detection, LLC	GB
95304941.8	0692712	02/10/2002	0692712	Granted	METHOD OF OPERATION OF AN ION MOBILITY SPETROMETER FOR ENHANCED DETECTION OF NARCOTICS	Morpho Detection, LLC	FR
12/276118	2010-0126284	4/24/2012	8161830	Granted	METHOD, APPARATUS, AND SYSTEM FOR INTEGRATED VAPOR AND PARTICULATE SAMPLING	Morpho Detection, Inc.	US
2009082986 5.6	2368102	11/19/2011	N/A	Published	METHOD, APPARATUS, AND SYSTEM FOR INTEGRATED VAPOR AND PARTICULATE SAMPLING	Morpho Detection, LLC	EP
14/133921	2015-0177214	01/11/2016	9482655	Granted	SYSTEM AND METHOD FOR USING ADDITIVES WITH ISOTOPIIC PATTERNS TO ENHANCE THE	Morpho Detection, LLC	US

App No.	Pub No.	Issue / File Date	Pat No.	App Status	Title	Current Applicant / Reg Owner (as applicable)	Jurisdiction
					SPECIFICITY OF A SPECTROMETER		
15/374333	N/A	12/9/2016	N/A	Pending	SAMPLING DEVICE INCLUDING MECHANICAL FORCE FEEDBACK MECHANISM	Morpho Detection, LLC	US
15/370947	N/A	12/6/2016	N/A	Pending	APPARATUS FOR DETECTING CONSTITUENTS IN A SAMPLE AND METHOD OF USING THE SAME	Morpho Detection, LLC	US
15/388589	N/A	12/22/2016	N/A	Pending	SYSTEMS AND METHODS FOR CALIBRATION, VERIFICATION, AND SENSITIVITY CHECKS FOR DETECTORS	Morpho Detection, LLC	US
15/379834	N/A	12/15/2016	N/A	Pending	METHODS AND DEVICES FOR MOISTURE-BASED CALIBRATION	Morpho Detection, LLC	US
2959796	N/A	3/3/2017	N/A	Pending	CHEMICAL VAPORIZATION AND DETECTION OF COMPOUNDS HAVING LOW VOLATILITY	Morpho Detection, LLC	CA
2017101353 30.5	N/A	3/8/2017	N/A	Pending	CHEMICAL VAPORIZATION AND DETECTION OF COMPOUNDS HAVING LOW VOLATILITY	Morpho Detection, LLC	CN
17000312.3	N/A	2/27/2017	N/A	Pending	CHEMICAL VAPORIZATION AND DETECTION OF COMPOUNDS HAVING LOW VOLATILITY	Morpho Detection, LLC	EP
2959791	N/A	3/3/2017	N/A	Pending	TEMPERATURE INFLUENCED CHEMICAL VAPORIZATION AND DETECTION OF COMPOUNDS HAVING LOW VOLATILITY	Morpho Detection, LLC	CA
2017101343 61.9	N/A	3/8/2017	N/A	Pending	TEMPERATURE INFLUENCED CHEMICAL	Morpho Detection, LLC	CN



App No.	Pub No.	Issue / File Date	Pat No.	App Status	Title	Current Applicant / Reg Owner (as applicable)	Jurisdiction
					VAPORIZATION AND DETECTION OF COMPOUNDS HAVING LOW VOLATILITY		
17000313.1	N/A	2/27/2017	N/A	Pending	TEMPERATURE INFLUENCED CHEMICAL VAPORIZATION AND DETECTION OF COMPOUNDS HAVING LOW VOLATILITY	Morpho Detection, LLC	EP
2962154	N/A	3/27/2017	N/A	Pending	DETECTION OF SUBSTANCES OF INTEREST USING GAS-SOLID PHASE CHEMISTRY	Morpho Detection, LLC	CA
2017102083 00.2	N/A	3/31/2017	N/A	Pending	DETECTION OF SUBSTANCES OF INTEREST USING GAS-SOLID PHASE CHEMISTRY	Morpho Detection, LLC	CN
17000501.1	N/A	3/27/2017	N/A	Pending	DETECTION OF SUBSTANCES OF INTEREST USING GAS-SOLID PHASE CHEMISTRY	Morpho Detection, LLC	EP
17000502.9	N/A	3/27/2017	N/A	Pending	SYSTEMS AND METHODS FOR GAS PRE-SEPARATION FOR DETECTION OF SUBSTANCES	Morpho Detection, LLC	EP
15/473270	N/A	3/29/2017	N/A	Pending	DESORBER AND TRAP FOR TRACE DETECTION SYSTEM	Morpho Detection, LLC	US
TBA	N/A	04/11/2017	N/A	Pending	SYSTEM AND METHOD FOR TRACE CHEMICAL DETECTION USING DUAL PHOTOIONIZATION SOURCES	Morpho Detection, LLC	DE
15/476616	N/A	3/31/2017	N/A	Pending	RAPID DESORBER HEATING AND COOLING FOR TRACE DETECTION	Morpho Detection, LLC	US
15/616433	N/A	6/7/2017	N/A	Pending	SYSTEMS AND METHODS FOR SUBSTANCE DETECTION USING POSITIVE DOPANTS	Morpho Detection, LLC	US

App No.	Pub No.	Issue / File Date	Pat No.	App Status	Title	Current Applicant / Reg Owner (as applicable)	Jurisdiction
1705001.4	N/A	3/29/2017	N/A	Pending	SYSTEM AND METHOD FOR TRACE CHEMICAL DETECTION USING DUAL PHOTOIONIZATION SOURCES	Morpho Detection, LLC	GB
6851631.9	1938078	3/29/2017	1938078	Granted	HAND-HELD TRACE VAPOR/PARTICLE SAMPLING SYSTEM	Morpho Detection, LLC	GB
16002589.6	3182111	12/06/2016	N/A	Published	DETECTION OF COMPOUNDS BY IMS THROUGH DOPANT-ASSISTED PHOTOIONIZATION	Morpho Detection, LLC	EP

**SCHEDULE 2**  
**THE TRADEMARKS**

Trademark Name	Country Name	Trademark Status	App No.	File Date	Reg No.	Reg Date	Owner
ENTRYSCAN	European Union (Community)	Registered	2610210	05/03/2002	2610210	30/03/2004	Morpho Detection, Inc.
ENTRYSCAN	United States of America	Registered	77/607,642	05/11/2008	3,682,394	15/09/2009	Morpho Detection, LLC
ITEMISER	European Union (Community)	Registered	1932458	23/10/2000	1932458	06/02/2002	Morpho Detection, Inc.
ENTRYSCAN	United Kingdom	Registered	2249485	20/10/2000	2249485	11/07/2003	Morpho Detection, Inc.
VAPORTRACER	United States of America	Registered	85/331,603	26/05/2011	4,255,467	04/12/2012	Morpho Detection, LLC
ITEMISER	United States of America	Registered	77/076,890	05/01/2007	3,458,778	01/07/2008	Morpho Detection, LLC
STREETLAB	United States of America	Registered	78/018,492	26/07/2000	2,592,987	09/07/2002	Morpho Detection, LLC
MOBILETRACE	United States of America	Registered	78/954,471	17/08/2006	3,358,058	18/12/2007	Morpho Detection, LLC
VAPORTRACER	Canada	Registered	1553963	28/11/2011	865735	22/11/2013	Morpho Detection, Inc.
VAPORTRACER	Int'l Registration - Madrid Protocol Only	Registered	1102934	28/11/2011	1102934	28/11/2011	Morpho Detection, Inc.
VAPORTRACER	China (People's Republic)	Registered	1102934	28/11/2011	1102934	28/11/2011	Morpho Detection, Inc.
VAPORTRACER	European Union (Community)	Registered	1102934	28/11/2011	1102934	28/11/2011	Morpho Detection, Inc.