

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT8079755

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
MKS TECHNOLOGY, INC.	06/08/2023

**RECEIVING PARTY DATA**

<b>Name:</b>	METROHM SPECTRO, INC. (D/B/A METROHM RAMAN)
<b>Street Address:</b>	313 ENTERPRISE DRIVE
<b>City:</b>	PLAINSBORO
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	08536

**PROPERTY NUMBERS Total: 37**

Property Type	Number
Application Number:	13907812
Application Number:	14666249
Application Number:	13221899
Application Number:	14518855
Application Number:	13161485
Application Number:	13819316
Application Number:	14874378
Application Number:	62823089
PCT Number:	US2024788
Application Number:	16830264
Application Number:	17943056
Application Number:	17723017
Application Number:	16681192
Application Number:	15727415
Application Number:	15370876
Application Number:	61450123
Application Number:	61418540
Application Number:	62458553
PCT Number:	US1818049
PCT Number:	US1553887

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Property Type	Number
Application Number:	62058926
Application Number:	62192023
Application Number:	62234522
Application Number:	16126998
Application Number:	61378383
Application Number:	16728841
Application Number:	62343837
Application Number:	15610211
Application Number:	16430402
Application Number:	17403473
Application Number:	61449081
Application Number:	61413739
Application Number:	61355136
Application Number:	63243683
PCT Number:	US2243368
Application Number:	63401709
Application Number:	63404975

**CORRESPONDENCE DATA**

**Fax Number:** (720)362-5211

*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.*

**Phone:** 3032782516

**Email:** thomas.osborne@fisherbroyles.com

**Correspondent Name:** THOMAS OSBORNE

**Address Line 1:** 3340 PEACHTREE ROAD NE, SUITE 1800

**Address Line 4:** ATLANTA, GEORGIA 30326

<b>NAME OF SUBMITTER:</b>	THOMAS J. OSBORNE, JR.
<b>SIGNATURE:</b>	/Thomas J Osborne Jr/
<b>DATE SIGNED:</b>	07/26/2023

**Total Attachments: 7**

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PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT:

Assignor:

MKS Technology, Inc.  
407 S. 2<sup>nd</sup> Street  
Laramie, Wyoming 82070  
United States  
State of Incorporation: Wyoming

Assignee:

Metrohm Spectro, Inc. (d/b/a Metrohm Raman)  
313 Enterprise Drive  
Plainsboro, NJ 08536  
United States  
State of Incorporation: Delaware

PATENTS AND PATENT APPLICATIONS SUBJECT TO THE ASSIGNMENT:

The Patents and Patent Applications subject to the Assignment are provided in Schedule A, attached hereto. The Patents and Patent Applications further include any patent or patent application owned in whole or in part by the Assignor as of the effective date of this Agreement.

WHEREAS, the Assignor identified above, a corporation organized and existing under the laws of the Wyoming indicated above, and having its principal place of business at the address indicated above, is the owner of all right, title, and interest in and to one or more new and useful processes, methods, machines, devices, systems, manufactures, and/or compositions of matter, or new and useful improvements thereof (the "Inventions"), disclosed and described in the issued Patents and the Patent Applications indicated and identified above; and

WHEREAS, Assignee identified above, a corporation organized and existing under the laws of the Delaware indicated above, and having its corporate office at the address indicated above, desires to acquire the entire right, title, and interest of Assignor in and to the Inventions, the Patents, the Patent Applications, and in, to, and under any and all Letters Patent to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor has sold, assigned, and transferred and does hereby sell, assign, and transfer to the Assignee, its successors, legal representatives, and assigns, the entire right, title and interest in and to the Inventions, the Patents, the Patent Applications, and all divisional, continuation, continuation-in-part, continuing prosecution, reexamination, and reissue applications thereof or that claim priority thereto; all international, regional, and foreign applications that claim priority to, are counterparts of, or otherwise correspond thereto; the Letters Patent, both foreign and domestic, that may or shall issue, or may or shall have issued, therefrom; any extensions or renewals thereof; and any right, title, or interest in and to the Inventions under any international conventions (collectively "the Patent Rights"); and

Assignor further authorizes said Assignee, its successors, and assigns, or anyone it may properly designate, to apply for Letters Patent in the U.S. and any and all foreign countries and regions, in its own

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JP/NA

name if desired, and additionally to claim priority to the filing dates of the Patent Applications and otherwise take advantage of the provisions of any international conventions; and

Assignor hereby authorizes and requests transfer of the Patents, the Patent Applications, and any further applications, which may be or shall have been filed under the Patent Rights, to the Assignee in accordance herewith and further authorizes and requests any official of any State whose duty consists of issuing patents or other evidence or forms of any industrial property protection issuing from the Provisional Application and all related applications, to issue same to the Assignee, its successors, and assigns in accordance herewith; and

Assignor hereby authorizes Assignee, its successors and assigns, or anyone it may properly designate, to insert in this instrument the application number and filing date of the Patent Application once known.

Assignor represents and warrants that Assignor has the right, title, and authority to execute this Assignment and to convey all right, title, and interest in the Patent Rights, and that Assignor has not conveyed nor will convey hereafter all or part of the Patent Rights to a third party; and Assignor hereby covenants and agrees with the Assignee, its successors and assigns, that Assignor will not execute in writing or do any act whatsoever conflicting with these representations, and that Assignor, Assignor's successors, legal representatives, or administrators will at any time upon request, without further or additional consideration, but at the expense of the Assignee, its successors, and assigns, execute such additional writings and do such additional acts as said Assignee, its successors, and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for, obtaining, and enforcing any of the Patent Rights, including giving testimony in any proceedings or transactions involving such Patent Rights; and

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Assignor further covenants and agrees that this Assignment is effective as of the date of execution of this document by Assignor's representative below.

IN WITNESS WHEREOF, the Assignor hereunto has executed this Assignment upon the date indicated below.

STATE OF WYOMING )  
 CITY OF Laramie ) ss.  
 COUNTY OF Albany )

**JESSICA PARKER**  
 Notary Public - State of Wyoming  
 Commission ID #52372  
 My Commission Expires MAY 3, 2029

ASSIGNOR: MKS Technology, Inc.

Dated: 6-8-23 \_\_\_\_\_  
 \_\_\_\_\_  
 (signature)

Place: Laramie, WY \_\_\_\_\_ By: JASON NIEMANN  
 \_\_\_\_\_  
 (printed name of authorized agent of assignor)

Its: SITE DIRECTOR  
 \_\_\_\_\_  
 (title)

Before me, a Notary Public in and for said County and State, personally appeared JASON NIEMANN, who executed the foregoing instrument for the purposes and considerations therein expressed.

I certify under PENALTY OF PERJURY under the laws of the State of Wyoming that the foregoing is true and correct.

Given under my hand and seal of office this 8 day of June, 2023.

Jessica Parker  
 \_\_\_\_\_  
 Notary Public

My Commission Expires: May 3, 2029

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JN/

The Assignee hereby acknowledges and accepts the foregoing assignment of rights by Assignor.

IN TESTIMONY WHEREOF, the Assignee, by its undersigned officer, confirms its acceptance on the date set forth below.

STATE OF NEW JERSEY )  
 CITY OF Plainsboro ) ss.  
 COUNTY OF Middlesex )

SEAL

ASSIGNEE: Metrohm Spectro, Inc. (d/b/a Metrohm Raman)

Dated: 6/19/2023 \_\_\_\_\_  
 \_\_\_\_\_  
 (signature)

Place: Plainsboro NJ By: Nancy Morris  
 \_\_\_\_\_  
 (printed name of authorized agent of assignee)

Its: President + CEO  
 \_\_\_\_\_  
 (title)

Before me, a Notary Public in and for said County and State, personally appeared Nancy Morris, who executed the foregoing instrument for the purposes and considerations therein expressed.

I certify under PENALTY OF PERJURY under the laws of the State of New Jersey that the foregoing is true and correct.

Given under my hand and seal of office this 19 day of June, 2023.

[Signature]  
 \_\_\_\_\_  
 Notary Public

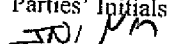
My Commission Expires: Oct. 22, 2026

**MARGARITA RODRIGUEZ-NEGRON**  
 Notary Public, State of New Jersey  
 Commission # 50175286  
 My Commission Expires 10/22/2026

Parties' Initials  
JN/

**SCHEDULE A**

Application No.	Filing Date	Title	Patent No.	Issue Date
BR112015029663-7	07/31/2014	Spectrometer		
US 13/907,812	05/31/2014	Spectrometer	US 9,791,313	10/17/2017
IN 3844/KOLNP/2015	07/31/2014	Spectrometer		
JP 2016-516259	07/31/2014	Spectrometer	JP 6590793	09/27/2019
US 14/666,249	03/23/2015	Spectrometer	US 9,523,610	12/20/2016
US 13/221,899	08/31/2011	Spectrometer	US 8,988,678	03/24/2015
US 14/518,855	10/20/2014	Spectrometer	US 9,459,146	10/04/2016
US 13/161,485	06/15/2011	Spectrometer	US 8,867,033	10/21/2014
US 13/819316	08/16/2013	Spectroscopic Assays and Tagging	US 10,684,172	06/16/2020
US 14/874,378	10/02/2015	Spectrometer	US 10,072,984	09/11/2018
EP 20777675.8	03/25/2020	Multi-Dispersive Spectrometer		
US 62/823,089	03/25/2019	Multi-Dispersive Spectrometer		
PCT/US20/24788	03/25/2020	Multi-Dispersive Spectrometer		
US 16/830,264	03/25/2020	Multi-Dispersive Spectrometer		
US 17/054,157	03/25/2020	Multi-Dispersive Spectrometer	US 11,441,948	09/13/2022
US 17/943,056	09/12/2022	Multi-Dispersive Spectrometer		
US 17/723,017	04/18/2022	Spectrometer		
US 16/681,192	11/12/2019	Spectrometer	US 11,307,090	04/19/2022
US 15/727,415	10/06/2017	Spectrometer	US 10,473,522	11/12/2019
US 15/370,876	12/06/2016	Spectrometer		
US 14/666,249	03/23/2015	Spectrometer	US 9,523,610	12/20/2016
US 13/907,812	05/31/2013	Spectrometer	US 9,791,313	10/17/2017
US 13/221,899	08/31/2011	Spectrometer	US 8,988,678	03/24/2015
US 61/450,123	03/07/2011	Spectrometer		
US 61/418,540	12/01/2010	Spectrometer		
US 62/458,553	02/13/2017	Self-Centering Raster		
PCT/US18/18049	02/13/2018	Self-Centering Raster		
US 16/485,686	08/13/2019	Self-Centering Raster		
PCT/US15/53887	10/02/2015	Spectrometer		

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US 62/058,926	10/02/2014	Spectrometer		
US 62/192,023	07/13/2015	Spectrometer		
US 62/234,522	09/29/2015	Spectrometer		
US 14/874,378	10/02/2015	Spectrometer	US 10,072,984	09/11/2018
US 16/126,998	09/10/2018	Spectrometer		
US 61/378,383	08/30/2010	Spectroscopic Assays and Tagging		
US 61/418,540	12/01/2010	Spectroscopic Assays and Tagging		
US 61/450,123	03/07/2011	Spectroscopic Assays and Tagging		
PCT/US11/49802	08/30/2011	Spectroscopic Assays and Tagging		
US 13/819,316	08/16/2013	Spectroscopic Assays and Tagging	US 10,684,172	08/17/2021
US 16/728,841	12/27/2019	Spectroscopic Assays and Tagging		
US 62/343,837	05/31/2016	Spectrometer		
US 15/610,211	05/31/2017	Spectrometer		
US 16/430,402	06/03/2019	Spectrometer	US 11,092,494	08/17/2021
US 17/403,473	08/16/2021	Spectrometer		
US 61/449,081	03/03/2011	Spectrometer		
US 61/413,739	11/15/2010	Spectrometer		
US 61/355,136	06/15/2010	Spectrometer		
US 13/161,485	06/15/2011	Spectrometer	US 8,867,033	10/21/2014
US 14/518,855	10/20/2014	Spectrometer	US 9,459,146	10/04/2016
US 63/243,683	09/13/2021	System and Method for Adjusting Optical Data to Account for Variations Introduced in an Optical System		
PCT/US22/43368	09/13/2022	System and Method for Adjusting Optical Data to Account for		

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*JN/ NM*



		Variations Introduced in an Optical System		
US 63/401,709	08/28/2022	Laser Array Excitation and Multichannel Detection		
US 63/404,975	09/09/2022	Laser Array Excitation and Multichannel Detection		

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