

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM508366

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	TRADEMARK SECURITY AGREEMENT (ABL)
<b>SEQUENCE:</b>	2

## CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
ELECTRO SCIENTIFIC INDUSTRIES, INC.		02/01/2019	Corporation: OREGON
MKS Instruments		02/01/2019	Corporation: MASSACHUSETTS
Newport Corporation		02/01/2019	Corporation: NEVADA

## RECEIVING PARTY DATA

<b>Name:</b>	BARCLAYS BANK PLC, as Collateral Agent
<b>Street Address:</b>	745 7th Avenue
<b>City:</b>	New York
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	10019
<b>Entity Type:</b>	Private Limited Company: UNITED KINGDOM

## PROPERTY NUMBERS Total: 107

Property Type	Number	Word Mark
Registration Number:	3187870	VERSITRIM
Registration Number:	3007832	CHIPTRIM
Registration Number:	2405272	ESI
Registration Number:	1431737	ESI
Registration Number:	1117590	ESI
Registration Number:	0635175	ESI
Registration Number:	1200245	WAFERMARK
Registration Number:	1375595	SOFTMARK
Registration Number:	2259707	SIGMACLEAN
Registration Number:	5397058	S
Registration Number:	5387094	PICOLIS
Registration Number:	5347387	ICEFYRE
Registration Number:	5125087	GUARDIAN
Registration Number:	5115053	SPECTRA-PHYSICS
Registration Number:	5114864	SPIRIT-OPA

TRADEMARK

Property Type	Number	Word Mark
Registration Number:	5100670	ASCEND
Registration Number:	4756926	SPIRIT-NOPA
Registration Number:	4625704	VANTAGE
Registration Number:	4581802	TALON
Registration Number:	4469370	SPIRIT
Registration Number:	4330521	EXCELSIOR
Registration Number:	4330520	S SPECTRA-PHYSICS
Registration Number:	4309491	QUASAR
Registration Number:	4263476	DATUM
Registration Number:	4129651	INSIGHT
Registration Number:	4073450	CORION
Registration Number:	3926012	HYBRYX
Registration Number:	3481639	SOLSTICE
Registration Number:	3370293	EXCELSIOR
Registration Number:	3345264	EXPLORER
Registration Number:	3330829	MATISSE
Registration Number:	3294809	IQ DAMPING TECHNOLOGY
Registration Number:	3190279	SMARTTABLE
Registration Number:	3058186	EMPOWER
Registration Number:	2904099	NEWPORT RESOURCE
Registration Number:	2780305	SPITFIRE
Registration Number:	2733651	
Registration Number:	2622866	ORIEL
Registration Number:	2581563	MAI TAI
Registration Number:	2444644	D-LOK
Registration Number:	2321689	DYNAMYX
Registration Number:	2236152	VALUMAX
Registration Number:	2191793	MILLENNIA
Registration Number:	2130320	VELOCITY
Registration Number:	2099353	ULTIMA
Registration Number:	2078888	ILX LIGHTWAVE
Registration Number:	1909809	STABILIFE
Registration Number:	1852963	LOK-TO-CLOCK
Registration Number:	1759090	TSUNAMI
Registration Number:	1687057	NEW FOCUS
Registration Number:	1685763	V
Registration Number:	1661478	SPECTRA-PHYSICS
Registration Number:	1654202	S

Property Type	Number	Word Mark
Registration Number:	1640907	BEAMLOK
Registration Number:	1558877	NEWPORT
Registration Number:	1352510	QUANTA-RAY
Registration Number:	5095640	MKSINST
Registration Number:	4734534	PARAGON
Registration Number:	4429764	VQI
Registration Number:	4405626	PRECISIVE
Registration Number:	4302521	VQM
Registration Number:	3341575	AIRGARD
Registration Number:	3336530	MKS
Registration Number:	3283554	O3MEGA
Registration Number:	3229845	MKS
Registration Number:	3172300	SUREPOWER
Registration Number:	3134363	R*EVOLUTION
Registration Number:	2902263	TOOLWEB
Registration Number:	2759890	I-BARATRON
Registration Number:	2758997	SEMOZON
Registration Number:	2759679	TRU-FLO
Registration Number:	2726193	SMARTPOWER
Registration Number:	2709156	MINI-CONVECTRON
Registration Number:	2697197	MKS
Registration Number:	2697220	MKS TECHNOLOGY FOR PRODUCTIVITY
Registration Number:	2641184	PR INDEX
Registration Number:	2610410	SPECTRUM
Registration Number:	2562383	OPTIMA
Registration Number:	2542586	GRANVILLE-PHILLIPS
Registration Number:	2534391	CONDUCTRON
Registration Number:	2477990	NOVA
Registration Number:	2472686	VI PROBE
Registration Number:	2403559	LIQUOZON
Registration Number:	2399419	SMARTMATCH
Registration Number:	2378581	HPS
Registration Number:	2357312	MKS INSTRUMENTS
Registration Number:	2309951	RESIST-TORR
Registration Number:	2293275	MICRO-ION
Registration Number:	2237573	ASTRON
Registration Number:	2082429	MKS INSTRUMENTS
Registration Number:	1992094	I-MAG

Property Type	Number	Word Mark
Registration Number:	1954345	CONVECTRON
Registration Number:	1838365	STABIL-ION
Registration Number:	1686134	ENI
Registration Number:	1686133	ENI
Registration Number:	1661469	VACUUM SENTRY
Registration Number:	1646730	MASS-FLO
Registration Number:	1524257	ASTEX
Registration Number:	1372214	MKS INSTRUMENTS, INC.
Registration Number:	1317863	MKS
Registration Number:	1309825	M K S
Registration Number:	1197782	BARATRON
Registration Number:	876976	MKS BARATRON
Serial Number:	87930910	SPECTRA-PHYSICS
Serial Number:	88014243	SPARCLEAN
Serial Number:	87960632	SURROUND THE WORKPIECE
Serial Number:	88014240	TRURAD

#### CORRESPONDENCE DATA

Fax Number:

*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: (212) 318-6532  
 Email: alanagramer@paulhastings.com  
 Correspondent Name: Alana Gramer  
 Address Line 1: 200 Park Avenue  
 Address Line 2: Paul Hastings LLP  
 Address Line 4: New York, NEW YORK 10166

ATTORNEY DOCKET NUMBER:	1042610 TM ABL
NAME OF SUBMITTER:	Alana Gramer
SIGNATURE:	/Alana Gramer/
DATE SIGNED:	02/01/2019

#### Total Attachments: 11

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**TRADEMARK SECURITY AGREEMENT**

**Trademark Security Agreement**, dated as of February 1, 2019 (as amended, amended and restated, supplemented or otherwise modified from time to time, the “Trademark Security Agreement”), by ELECTRO SCIENTIFIC INDUSTRIES, INC., an Oregon corporation, MKS INSTRUMENTS, INC., a Massachusetts corporation and NEWPORT CORPORATION, a Nevada corporation (each, a “Grantor”), in favor of BARCLAYS BANK PLC in its capacity as collateral agent pursuant to the Credit Agreement (in such capacity, the “Collateral Agent”).

**WITNESSETH:**

WHEREAS, the Grantor is party to that certain Security Agreement dated as of the date hereof (as amended, amended and restated, supplemented or otherwise modified from time to time, the “Security Agreement”), by and among MKS, the other Grantors party thereto and the Collateral Agent, in favor of the Collateral Agent, pursuant to which the Grantor is required to execute and deliver to the Collateral Agent this Trademark Security Agreement;

NOW, THEREFORE, in consideration of the premises and to induce the Collateral Agent, for the benefit of the Secured Parties, to enter into the Credit Agreement, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and with the intent to be legally bound hereby, the Grantor hereby agrees with the Collateral Agent as follows:

SECTION 1. Defined Terms. Unless otherwise defined herein, terms defined in the Credit Agreement or the Security Agreement used herein have the respective meanings assigned thereto in the Credit Agreement or the Security Agreement, in each case, as applicable.

SECTION 2. Grant of Security Interest in Trademark Collateral. As security for the payment or performance, as the case may be, in full of the Secured Obligations, including the Guarantees, each Grantor hereby pledges to the Collateral Agent, its successors and assigns, for the benefit of the Secured Parties, and hereby grants to the Collateral Agent, its successors and assigns, for the benefit of the Secured Parties, a security interest in, all right, title or interest in or to any and all of the following assets and properties now owned or at any time hereafter acquired by such Grantor or in which such Grantor now has or at any time in the future may acquire any right, title or interest:

- (a) all Trademarks of the Grantor listed on Schedule I attached hereto; and
- (b) all products and Proceeds of any of the foregoing (together with clause (a), collectively, the “Trademarks”).

SECTION 3. The Security Agreement. The security interests granted pursuant to this Trademark Security Agreement are granted in conjunction with the security interests granted to the Collateral Agent pursuant to the Security Agreement, and the Grantor hereby acknowledges and affirms that the rights and remedies of the Collateral Agent with respect to the security interests in the Trademarks made and granted hereby are more fully set forth in the Security Agreement. In the event that any provision of this Trademark Security Agreement is deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall control.

SECTION 4. Termination. Upon the termination of the Security Agreement in accordance with, or otherwise required pursuant to, Section 6.11 thereof, the Collateral Agent shall, at the expense of the Grantor, execute, acknowledge, and deliver to the Grantor an instrument in writing in recordable form releasing the lien on and security interest in the applicable Trademarks under this

Trademark Security Agreement and any other documents required to evidence the termination of the Collateral Agent's interest in the applicable Trademarks.

**SECTION 5. GOVERNING LAW; JURISDICTION; VENUE; WAIVER OF JURY TRIAL; CONSENT TO SERVICE OF PROCESS.**

(A) THE TERMS OF SECTION 10.13 OF THE CREDIT AGREEMENT WITH RESPECT TO GOVERNING LAW, SUBMISSION OF JURISDICTION, VENUE AND WAIVER OF JURY TRIAL ARE INCORPORATED HEREIN BY REFERENCE, *MUTATIS MUTANDIS*, AND THE PARTIES HERETO AGREE TO SUCH TERMS.

(B) EACH PARTY TO THIS TRADEMARK SECURITY AGREEMENT IRREVOCABLY CONSENTS TO SERVICE OF PROCESS IN THE MANNER PROVIDED FOR NOTICES IN SECTION 6.01 OF THE SECURITY AGREEMENT. NOTHING IN THIS TRADEMARK SECURITY AGREEMENT WILL AFFECT THE RIGHT OF ANY PARTY TO THIS TRADEMARK SECURITY AGREEMENT TO SERVE PROCESS IN ANY OTHER MANNER PERMITTED BY LAW.

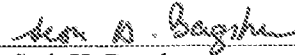
SECTION 6. Waivers; Amendments; Modifications. Neither this Trademark Security Agreement nor any provision hereof may be waived, amended or modified except pursuant to an agreement or agreements in writing entered into by the Collateral Agent and the Grantor or Grantors with respect to which such waiver, amendment or modification is to apply, subject to any consent required in accordance with Section 10.01 of the Credit Agreement and subject to Section 6.02 of the Security Agreement.

SECTION 7. Notices; Communications. All communications and notices under this Trademark Security Agreement shall be in writing and given as provided in Section 6.01 of the Security Agreement.

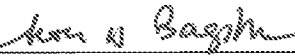
SECTION 8. Counterparts; Effectiveness. This Trademark Security Agreement may be executed in any number of counterparts, all of which shall constitute one and the same instrument, and any party hereto may execute this Trademark Security Agreement by signing and delivering to the other party hereto one or more counterparts. Delivery by facsimile or other electronic communication of an executed counterpart (including portable document format (PDF)) of a signature page to this Trademark Security Agreement shall be effective as delivery of an original executed counterpart of this Trademark Security Agreement. This Trademark Security Agreement shall become effective as to the Grantor when a counterpart hereof executed on behalf of the Grantor shall have been delivered to the Collateral Agent and a counterpart hereof shall have been executed on behalf of the Collateral Agent, and thereafter shall be binding upon the Grantor and the Collateral Agent and their respective permitted successors and assigns, and shall inure to the benefit of the Grantor, the Collateral Agent and the other Secured Parties and their respective permitted successors and assigns, except that the Grantor shall not have the right to assign or transfer its rights or obligations hereunder or any interest herein or in the Collateral (and any such assignment or transfer shall be void) except as expressly contemplated by the Security Agreement or the Credit Agreement.

[Signature Pages Follow]


ELECTRO SCIENTIFIC INDUSTRIES, INC.,  
as a Grantor

By:   
Name: Seth H. Bagshaw  
Title: President and Treasurer

MKS INSTRUMENTS, INC.,  
as a Grantor

By:   
Name: Seth H. Bagshaw  
Title: Senior Vice President, Chief Financial  
Officer and Treasurer


NEWPORT CORPORATION,  
as a Grantor

By:   
Name: Seth H. Bagshaw  
Title: President and Treasurer



BARCLAYS BANK PLC,  
as the Collateral Agent

By:

  
Name: Craig Malloy  
Title: Director

[Signature Page to ABL Trademark Security Agreement]

**Schedule I**  
**to**  
**TRADEMARK SECURITY AGREEMENT**  
**UNITED STATES TRADEMARK REGISTRATIONS AND APPLICATIONS**

See attachments for Trademarks of MKS Instruments, Inc. and Newport Corporation.

See below for Electro Scientific Industries, Inc.

**Registered Marks**

<b>Mark</b>	<b>Registration No.</b>	<b>Registration Date</b>	<b>Registered Owner</b>
VERSITRIM	3187870	12/19/2006	Electro Scientific Industries, Inc.
CHIPTRIM	3007832	10/18/2005	Electro Scientific Industries, Inc.
ESI	2405272	11/21/2000	Electro Scientific Industries, Inc.
ESI	1431737	03/10/1987	Electro Scientific Industries, Inc.
ESI	1117590	05/08/1979	Electro Scientific Industries, Inc.
ESI	0635175	10/02/1956	Electro Scientific Industries, Inc.
WAFERMARK	1200245	07/06/1982	Electro Scientific Industries, Inc.
SOFTMARK	1375595	12/17/1985	Electro Scientific Industries, Inc.
SIGMACLEAN	2259707	07/06/1999	Electro Scientific Industries, Inc.

**Pending Trademark Applications**

None

[See Attached]

MKS Instruments, Inc. and Newport Corporation – Registered Trademarks and Pending Trademark Applications

Ref.	Mark	Owner	Status	Appl. No.	Filed	Reg. No.	Reg. Date
NEP0137VA	S Design (blue)	Newport Corporation	Registered			5,397,058	2/6/18
5667-500NFO-15	PICOLIS	Newport Corporation	Registered			5,387,094	1/23/18
5671-300SAN-16	ICEFYRE	Newport Corporation	Registered			5,347,387	11/28/17
5665-100IRV-15	GUARDIAN	Newport Corporation	Registered			5,125,087	1/17/17
NEP0138TA	SPECTRA-PHYSICS & S Design (blue)	Newport Corporation	Registered			5,115,053	1/3/17
5641-300SAN-14	SPIRIT-OPA	Newport Corporation	Registered			5,114,864	1/3/17
5640-300SAN-13	ASCEND	Newport Corporation	Registered			5,100,670	12/13/16
5642-300SAN-14	SPIRIT-NOPA	Newport Corporation	Registered			4,756,926	6/16/15
5635-500NFO-13	VANTAGE	Newport Corporation	Registered			4,625,704	10/21/14
5639-300SAN-13	TALON	Newport Corporation	Registered			4,581,802	8/5/14
5594-300SAN-11	SPIRIT	Newport Corporation	Registered			4,469,370	1/21/14
5633-300SAN-12	EXCELSIOR	Newport Corporation	Registered			4,330,521	5/7/13
SPP0089TA	SPECTRA-PHYSICS & S Design	Newport Corporation	Registered			4,330,520	5/7/13
5084-300SAN-10	QUASAR	Newport Corporation	Registered			4,309,491	3/26/13
5065-100FRN-07	DATUM	Newport Corporation	Registered			4,263,476	12/25/12
5543-300SAN-11	INSIGHT	Newport Corporation	Registered			4,129,651	4/17/12
5629-100FKL-11	CORION	Newport Corporation	Registered			4,073,450	12/20/11
5064-100FRN-06	HYBRYX	Newport Corporation	Registered			3,926,012	3/1/11
5059-300MTV-07	SOLSTICE	Newport Corporation	Registered			3,481,639	8/5/08
5017-300MTV-05	EXCELSIOR	Newport Corporation	Registered			3,370,293	1/15/08
5004-300MTV-05	EXPLORER	Newport Corporation	Registered			3,345,264	11/27/07
5014-300MTV-05	MATISSE	Newport Corporation	Registered			3,330,829	11/6/07
5002-100IRV-05	IQ DAMPING	Newport	Registered			3,294,809	9/18/07

MKS Instruments, Inc. and Newport Corporation – Registered Trademarks and Pending Trademark Applications

	TECHNOLOGY	Corporation					
5003-100IRV-05	SMARTTABLE	Newport Corporation	Registered			3,190,279	12/26/06
5048-300MTV-03	EMPOWER	Newport Corporation	Registered			3,058,186	2/7/06
NEP0126TA	NEWPORT RESOURCE	Newport Corporation	Registered			2,904,099	11/23/04
5046-300MTV-01	SPITFIRE	Newport Corporation	Registered			2,780,305	11/4/03
	Miscellaneous Design (Newport Logo)	Newport Corporation	Registered			2,733,651	7/8/03
5040-300STR-00	ORIEL	Newport Corporation	Registered			2,622,866	9/24/02
5034-300MTV-01	MAI TAI	Newport Corporation	Registered			2,581,563	6/18/02
5032-300MTV-97	D-LOK	Newport Corporation	Registered			2,444,644	4/17/01
5025-100IRV-99	DYNAMYX	Newport Corporation	Registered			2,321,689	2/22/00
5026-100IRV-97	VALUMAX	Newport Corporation	Registered			2,236,152	3/30/99
5035-300MTV-96	MILLENNIA	Newport Corporation	Registered			2,191,793	9/29/98
5613-500NFO-98	VELOCITY	Newport Corporation	Registered			2,130,320	1/20/98
5027-100IRV-96	ULTIMA	Newport Corporation	Registered			2,099,353	9/23/97
5625-100BOZ-96	ILX LIGHTWAVE	Newport Corporation	Registered			2,078,888	7/15/97
5023-300FKL-93	STABILIFE	Newport Corporation	Registered			1,909,809	8/8/95
5033-300MTV-92	LOK-TO-CLOCK	Newport Corporation	Registered			1,852,963	9/6/94
5039-300MTV-91	TSUNAMI	Newport Corporation	Registered			1,759,090	3/16/93
NEP0061TA	NEW FOCUS	Newport Corporation	Registered			1,687,057	5/12/92
5610-500NFO-90	[V] V in Brackets Design	Newport Corporation	Registered			1,685,763	5/5/92
SPP009TA	SPECTRA-PHYSICS (word mark)	Newport Corporation	Registered			1,661,478	10/22/91
SPP001TA	S Design	Newport Corporation	Registered			1,654,202	8/20/91
5031-300MTV-89	BEAMLOK	Newport Corporation	Registered			1,640,907	4/9/91
NEP0068TA	NEWPORT and	Newport	Registered			1,558,877	10/3/89

MKS Instruments, Inc. and Newport Corporation – Registered Trademarks and Pending Trademark Applications

	Design	Corporation					
5038-300MTV-84	QUANTA-RAY & design	Newport Corporation	Registered			1,352,510	8/6/85
5700-300SAN-18	SPECTRA-PHYSICS (word mark)	Newport Corporation	Pending	87/930,910	5/22/18		
5089.0096-000	MKSINST	MKS Instruments, Inc.	Registered			5,095,640	1/6/16
5089.0102-000	PARAGON	MKS Instruments, Inc.	Registered			4,734,534	5/12/15
0100.0497-000	VQI	MKS Instruments, Inc.	Registered			4,429,764	11/5/13
2010470-0005	PRECISIVE	MKS Instruments, Inc.	Registered			4,405,626	9/24/13
0100.0493-000	VQM	MKS Instruments, Inc.	Registered			4,302,521	3/12/13
5089.0010-000	AIRGARD	MKS Instruments, Inc.	Registered			3,341,575	11/20/07
5089.0082-000	MKS	MKS Instruments, Inc.	Registered			3,336,530	11/13/07
5089.0099-000	O3MEGA	MKS Instruments, Inc.	Registered			3,283,554	8/21/07
5089.0069-000	MKS	MKS Instruments, Inc.	Registered			3,229,845	4/17/07
5089.0113-000	SUREPOWER	MKS Instruments, Inc.	Registered			3,172,300	11/14/06
5089.0105-000	R*EVOLUTION	MKS Instruments, Inc.	Registered			3,134,363	8/22/06
5089.0114-000	TOOLWEB	MKS Instruments, Inc.	Registered			2,902,263	11/9/04
5089.0051-000	i-BARATRON	MKS Instruments, Inc.	Registered			2,759,890	9/2/03
5089.0108-000	SEMOZON	MKS Instruments, Inc.	Registered			2,758,997	9/2/03
5089.0115-000	TRU-FLO	MKS Instruments, Inc.	Registered			2,759,679	9/2/03
5089.0111-000	SMARTPOWER	MKS Instruments, Inc.	Registered			2,726,193	6/17/03

MKS Instruments Confidential

TRADEMARK  
REEL: 006547 FRAME: 0904

MKS Instruments, Inc. and Newport Corporation – Registered Trademarks and Pending Trademark Applications

0100.0238-000	MINI-CONVECTRON	MKS Instruments, Inc.	Registered			2,709,156	4/22/03
5089.0085-000	MKS (AND DESIGN)	MKS Instruments, Inc.	Registered			2,697,197	3/18/03
5089.0091-000	MKS and Design + Tag Line	MKS Instruments, Inc.	Registered			2,697,220	3/18/03
5089.0104-000	PR INDEX	MKS Instruments, Inc.	Registered			2,641,184	10/22/02
5089.0112-000	SPECTRUM	MKS Instruments, Inc.	Registered			2,610,410	8/20/02
5089.0101-000	OPTIMA	MKS Instruments, Inc.	Registered			2,562,383	4/16/02
0100.0227-000	GRANVILLE-PHILLIPS	MKS Instruments, Inc.	Registered			2,542,586	2/26/02
0100.0205-000	CONDUCTRON	MKS Instruments, Inc.	Registered			2,534,391	1/29/02
5089.0098-000	NOVA	MKS Instruments, Inc.	Registered			2,477,990	8/14/01
5089.0119-000	VI PROBE & DESIGN	MKS Instruments, Inc.	Registered			2,472,686	7/31/01
5089.0055-000	LIQUOZON	MKS Instruments, Inc.	Registered			2,403,559	11/14/00
5089.0109-000	SMARTMATCH	MKS Instruments, Inc.	Registered			2,399,419	10/31/00
5089.0050-000	HPS	MKS Instruments, Inc.	Registered			2,378,581	8/22/00
5089.0093-000	MKS INSTRUMENTS	MKS Instruments, Inc.	Registered			2,357,312	6/13/00
5089.0106-000	RESIST-TORR	MKS Instruments, Inc.	Registered			2,309,951	1/18/00
0100.0207-000	MICRO-ION	MKS Instruments, Inc.	Registered			2,293,275	11/16/99
5089.0017-000	ASTRON	MKS Instruments, Inc.	Registered			2,237,573	4/6/99
5089.0094-000	MKS INSTRUMENTS and Design	MKS Instruments, Inc.	Registered			2,082,429	7/22/97
5089.0053-000	I-MAG	MKS	Registered			1,992,094	8/6/96

MKS Instruments Confidential

TRADEMARK  
REEL: 006547 FRAME: 0905

MKS Instruments, Inc. and Newport Corporation – Registered Trademarks and Pending Trademark Applications

		Instruments, Inc.					
0100.0206-000	CONVECTRON	MKS Instruments, Inc.	Registered			1,954,345	2/6/96
0100.0208-000	STABIL-ION	MKS Instruments, Inc.	Registered			1,838,365	5/31/94
5089.0032-000	ENI	MKS Instruments, Inc.	Registered			1,686,134	5/12/92
5089.0033-000	ENI (Stylized)	MKS Instruments, Inc.	Registered			1,686,133	5/12/92
5089.0118-000	VACUUM SENTRY	MKS Instruments, Inc.	Registered			1,661,469	10/22/91
5089.0058-000	MASS-FLO	MKS Instruments, Inc.	Registered			1,646,730	6/4/91
5089.0012-000	ASTEX	MKS Instruments, Inc.	Registered			1,524,257	2/14/89
5089.0095-000	MKS INSTRUMENTS, INC.	MKS Instruments, Inc.	Registered			1,372,214	11/26/85
5089.0084-000	MKS (AND DESIGN)	MKS Instruments, Inc.	Registered			1,317,863	2/5/85
5089.0087-000	MKS (STYLIZED)	MKS Instruments, Inc.	Registered			1,309,825	12/18/84
5089.0028-000	BARATRON	MKS Instruments, Inc.	Registered			1,197,782	6/15/82
5089.0092-000	MKS BARATRON	MKS Instruments, Inc.	Registered			876,976	9/1669
5089.0005-000	Sparclean	MKS Instruments, Inc.	Published	88/014,243	6/25/18		
5089.0007-000	SURROUND THE WORKPIECE	MKS Instruments, Inc.	Pending	87/960,632	6/13/18		
5089.0006-000	TruRad	MKS Instruments, Inc.	Published	88/014,240	6/25/18		

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RECORDED: 02/01/2019

REEL: 006547 FRAME: 0906