

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4350236

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	MECATRONIX AG	04/03/2017
RECEIVING PARTY DATA		
Name:	APPLIED MATERIALS, INC.	
Street Address:	3050 BOWERS AVENUE	
City:	SANTA CLARA	
State/Country:	CALIFORNIA	
Postal Code:	95054	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Patent Number:	8678028
CORRESPONDENCE DATA		
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<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>		
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ATTORNEY DOCKET NUMBER:	MECATRONIX/DV	
NAME OF SUBMITTER:	SUZANNE COURTNEY	
SIGNATURE:	/Suzanne Courtney/	
DATE SIGNED:	04/03/2017	
Total Attachments: 8		
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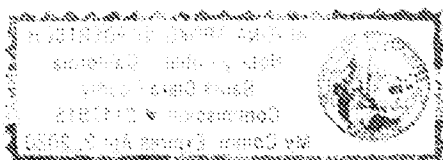
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INSTRUCTIONS

- 1) Please enter the information in the highlighted blanks. The address of the patent assignor and the patent assignee should match the addresses recorded in the patent office.
- 2) Please enter the filed application information in Appendix A. Please include all domestic and all foreign counterpart application information. Providing just the parent priority application information is **NOT** sufficient.
- 3) If appropriate, please enter the invention alert information for dockets that have not been filed as patent applications in Appendix A.
- 4) Please execute five (5) original copies signed by **both** parties.
- 5) Notarization is required for assignment of Korean patents. Notarization is the preferred practice for all other jurisdictions (China and Japan may require notarization; Singapore requires a witness).



ASSIGNMENT

WHEREAS, Mecatronic AG (hereinafter "CORPORATION"), a company incorporated under the laws of the Germany, and having a principal place of business at Roentgenstrasse 43, 64291 Darmstadt, Germany, is the assignor of interest of the trademarks and inventions set forth in the trademarks, U.S. and foreign applications, U.S. and foreign patents, and invention alerts, listed on Appendix A hereto (collectively, the "Patent Documents");

WHEREAS, APPLIED MATERIALS, INC. (hereinafter "APPLIED MATERIALS"), a corporation organized under the laws of the State of Delaware, United States of America, and having a principal place of business at 3050 Bowers Avenue, Santa Clara, CA 95054 USA, is desirous of acquiring all title, right and interest in to and under said inventions and Patent Documents;

NOW, THEREFORE, be it known to all whom it may concern that for good and valuable consideration the receipt of which is hereby acknowledged, CORPORATION has and does hereby sell, assign, transfer and set over unto APPLIED MATERIALS, its successors and assigns, the full and exclusive right, title and interest including all rights acquired in foreign countries, in to and under said Patent Documents, including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, and in and to any and all letters patents to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but for, to and in all other countries and regions; and it has been and is hereby authorized and requested that the appropriate government agencies issue said letters patents to APPLIED MATERIALS, in accordance with this assignment. CORPORATION hereby consents to any and all procedures being taken by the said assignee in regard to the assignment of the identified Patent Documents.

THIS 5 day of April 2017
Mecatronic AG (Assignor)

By: Hansjoerg Kranz

Name: Hansjoerg Kranz
Title: Mitglied des Vorstand der Gesellschaft

THIS 30th day of March 2017
APPLIED MATERIALS, INC. (Assignee)

By: Raymond K. Kwong

Name: Raymond K. Kwong
Title: Corporate Vice President and Assistant Secretary

STATE OF CALIFORNIA)
COUNTY OF SANTA CLARA)

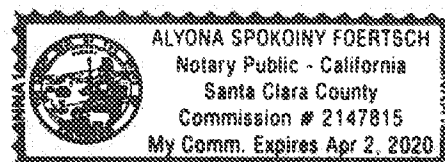
On MARCH 30, 2017 before me, ALYONA S FOERTSCH, Notary Public, personally appeared RAYMOND K. KWONG, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

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

WITNESS my hand and official seal.

Signature ALYONA S FOERTSCH (Seal)
Name:

Please see attached certificate



Mecatronix AG to Applied Materials, Inc.

STATE OF _____)
COUNTY OF _____)

On _____ before me, _____, Notary Public, personally appeared _____, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

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

WITNESS my hand and official seal.

Signature _____ (Seal)
Name: _____

*please
see attached
certificate*

Appendix A

I. Filed Applications

Internal Docket Number	Country	Application Serial Number	Application Date	Patent Number	Patent Issuance Date	Title
	Germany	DE20082017717U	2008-05-13	DE202008017717 U1	2010-09-23	Device for floating, transporting and/or positioning of carriers and goods in vacuum and/or clean room, has bearing units, where transmission of signals from bearing unit's position is implemented in form of bus-topology
	Germany	DE20102017611U	2010-08-02	DE202010017611 U1	2012-03-22	Electromagnetic axial bearing i.e. lorentz force-type bearing, for rotatably supporting shaft utilized as rotor, has coil fixedly surrounding permanent magnets at preset air gap, where coil and magnets are surrounded by ferromagnetic yokes
	Germany	DE20131011873	2013-07-17	DE102013011873B4	2015-10-08	POSITIONING DEVICE FOR MOVING A SUBSTRATE
	Japan	JP20160526466	2014-07-16	(Pending)		POSITIONING DEVICE FOR MOVING A SUBSTRATE
	Korea	KR20167003984	2014-07-16	(Pending)		POSITIONING DEVICE FOR MOVING A SUBSTRATE
	China	201210244824.4	2005-05-31	CN102808995B	2015-07-22	Locking Device
	EP	EP20050756092	2005-05-31	EP1753990B1	2014-08-20	Locking Device
	Germany	DE502005014490	2004-06-08	DE502005014490B3	2014-08-20	Locking Device
	Switzerland	CH5756092	2005-05-31	EP1753990B1	2014-08-20	Locking Device
	Japan	JP20070526242	2005-05-31	JP5038895B2	2012-10-03	Locking Device
	Korea	KR20077000352	2005-05-31	KR101183566B1	2012-09-17	Locking Device
	US	US20050596787	2005-05-31	US8678028B2	2014-03-25	Locking Device

Internal Docket Number	Country	Application Serial Number	Application Date	Patent Number	Patent Issuance Date	Title
	Germany	DE20131016065	2013-09-27	DE102013016065B4	2016-02-18	POSITIONING APPARATUS
	Korea	KR20167011035	2014-09-08	(Pending)		POSITIONING APPARATUS
	Germany	DE20141003882	2014-03-19	(Pending)		TRANSPORTATION APPARATUS FOR MOVING AND/OR POSITIONING OBJECTS
	Japan	JP2016-558027	2015-03-17	(Pending)		TRANSPORTATION APPARATUS FOR MOVING AND/OR POSITIONING OBJECTS
	Korea	KR20167026872	2015-03-17	(Pending)		TRANSPORTATION APPARATUS FOR MOVING AND/OR POSITIONING OBJECTS
	Germany	DE20141005547	2014-04-16	DE102014005547B4	2016-09-15	APPARATUS FOR HOLDING POSITIONING AND/OR MOVING AN OBJECT
	Japan	JP2016-562777	2015-04-14	(Pending)		APPARATUS FOR HOLDING POSITIONING AND/OR MOVING AN OBJECT
	Korea	KR20167028696	2015-04-14	(Pending)		APPARATUS FOR HOLDING POSITIONING AND/OR MOVING AN OBJECT
	Germany	DE20141005897	2014-04-25	DE102014005897 B3	2015-09-17	DEVICE FOR HOLDING POSITIONING AND/OR MOVING AN OBJECT
	Japan	JP2016-564136	2016-10-24	(Pending)		DEVICE FOR HOLDING POSITIONING AND/OR MOVING AN OBJECT
	Korea	KR20167029285	2015-04-22	(Pending)		DEVICE FOR HOLDING POSITIONING AND/OR MOVING AN OBJECT
	Germany	DE20141008170	2014-06-10	(Pending)		CLOSURE OR AIRLOCK DEVICE FOR A VACUUM CHAMBER

Internal Docket Number	Country	Application Serial Number	Application Date	Patent Number	Patent Issuance Date	Title
	China	201580030603.9	2015-06-10	(Pending)		CLOSURE OR AIRLOCK DEVICE FOR A VACUUM CHAMBER
	Japan	JP2016-572449	2015-06-10	(Pending)		CLOSURE OR AIRLOCK DEVICE FOR A VACUUM CHAMBER
	Korea	KR20167032242	2015-06-10	(Pending)		CLOSURE OR AIRLOCK DEVICE FOR A VACUUM CHAMBER
	Germany	DE2015016081		(Unpublished)		Verschluss oder Schleusenvorrichtung für eine Vakuumkammer
	Germany	DE20151004582	2015-04-09	DE102015004582	2017-02-09	Vorrichtung zum Halten, Positionieren und Bewegen eines Objekts
	PCT	PCT/EP2016/057268	2016-04-01	(Pending)		DEVICE FOR HOLDING, POSITIONING, AND MOVING AN OBJECT
	Germany	DE102017002542.8	2017-03-16	(Pending)		Vorrichtung zum Halten, Positionieren und/oder Bewegen eines Objekts
	Germany	MECA 215.03		(Unpublished)		Schwebesystem für flexible Strukturen

II. Trademarks:

Official number	Mark
DE 302013017081	Mecatronics
DE 302013017082	Mecatronics (device)
DE 302014027713	Levimotion
DE 302014027715	Levidrive
DE 302014027716	Leviaxis

RK 7/2/17

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Santa Clara

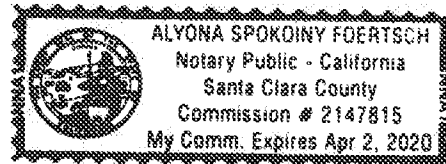
On April 3, 2017 before me, ALYONA S FOERTSCH, Notary Public
(insert name and title of the officer)

personally appeared HANSJOERG KRANZ
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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

WITNESS my hand and official seal.

Signature ALYONA S FOERTSCH (Seal)



ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Santa Clara

On April 3, 2012 before me, Allyona S Foertsch, Notary Public
(insert name and title of the officer)

personally appeared Raymond K Kwong
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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

WITNESS my hand and official seal.

Signature Allyona S Foertsch (Seal)

