

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6535711

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MARTIN L. ZUCKER	01/22/2021
RYAN M. PAKULSKI	11/08/1999
SHAWMING MA	01/22/2021
MICHAEL X. YANG	01/22/2021
TED TEVIS	01/26/2021
PETER J. LEMBESIS	06/11/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MATTSON TECHNOLOGIES, INC.
<b>Street Address:</b>	47131 BAYSIDE PARKWAY
<b>City:</b>	FREMONT
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94538
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15930910
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(864)233-7342
<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>Email:</b>	USDOCKETING@DORITY-MANNING.COM, jchapman@dority-manning.com
<b>Correspondent Name:</b>	DORITY & MANNING, P.A. AND MATTSON
<b>Address Line 1:</b>	PO BOX 1449
<b>Address Line 4:</b>	GREENVILLE, SOUTH CAROLINA 29602
<b>ATTORNEY DOCKET NUMBER:</b>	AGX-346B (1 OF 2)
<b>NAME OF SUBMITTER:</b>	J. PARKS WORKMAN
<b>SIGNATURE:</b>	/J. Parks Workman/
<b>DATE SIGNED:</b>	02/05/2021
<b>Total Attachments: 18</b>	

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**CONFIRMATORY ASSIGNMENT OF WORLDWIDE RIGHTS**

**WHEREAS**, I, Martin L. Zucker, a citizen of United States of America, residing in Orinda, CA, US, as assignor, have solely or jointly made an invention entitled

**“FOCUS RING ADJUSTMENT ASSEMBLY OF A SYSTEM FOR PROCESSING  
WORKPIECES UNDER VACUUM”**

(the “Invention”) as described in a patent application (the “Patent Application”), the specification of which:

- is attached hereto.
- was filed on 05/13/2020 as U.S. Application Serial No. 15/930,910.
- was filed on \_\_\_\_\_ as PCT Application Serial No. \_\_\_\_\_.
- was filed on \_\_\_\_\_ as \_\_\_\_\_.

**WHEREAS**, Mattson Technology, Inc., 47131 Bayside Parkway, Fremont, California, 94538, as assignee, has received and secured or hereby receives and secures the entire right, title and interest in and to the Invention and the Patent Application in all countries throughout the world, in and to any Letters Patent or similar rights for the Invention to be issued upon the Patent Application throughout the world, any application for Letters Patent or similar rights for the Invention claiming priority to the Patent Application in all countries throughout the world, and any Letters Patent or similar rights to be issued claiming priority to the Patent Application in all countries throughout the world;

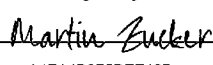
**NOW, THEREFORE**, be it known that for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I, as assignor, acknowledge and confirm that I have sold, assigned, transferred, conveyed, and set over, and/or do hereby sell, assign, transfer, convey, and set over unto the assignee, its lawful successors and assigns, my entire right, title, and interest in and to the Invention and the Patent Application now existing and in the future, and all divisions, continuations, continuations-in-part, and national-stage applications thereof, any and all applications claiming priority to the Patent Application, and all Letters Patent or similar rights which may be granted thereon, and all reissues and re-examinations of any of the foregoing, and all rights to claim priority on the basis of any of the foregoing applications, and all applications for Letters Patent or similar rights which may hereafter be filed for the Invention in any country and all Letters Patent or similar rights which may be granted on the Invention in any country, and all extensions, renewals, reissues, and re-examinations thereof, any and all causes of action, claims, and demands and other

rights for, or arising from, any infringement, breaches, or misappropriation, including past infringements, breaches, and misappropriations of any of the foregoing throughout the world, the right to take actions to assert any and all causes of action related to any of the foregoing throughout the world, including those accrued in assignor' favor for infringement, breach, and misappropriation, and the right to sue and recover and have past, present, and future damages and profits for infringement, breach, and misappropriation, in all countries, territories and possessions throughout the world in accordance with the laws thereof, to the full extent of such rights, and I hereby authorize and request the Commissioner for Patents of the United States and any official of any other country whose duty it is to issue patents on applications as described above, to issue all Letters Patent or similar rights for the Invention or the Patent Application to assignee, its successors and assigns, in accordance with the terms of this Assignment, and I hereby authorize the assignee, its successors and assigns, and the attorney(s) of record in applications as described above to modify this Assignment, subsequent to its execution, to more specifically identify the applications as described above.

**AND, I HEREBY** covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed, and will not execute any agreement in conflict with this Assignment;

**AND, I HEREBY** further covenant and agree that I will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me respecting the Invention, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title of the Invention in said assignee, its successors and assigns, execute all divisional, continuation, reissue applications, re-examination applications, and any applications claiming priority to the Patent Application, and make all rightful oaths and generally aid assignee, its successors and assigns, to obtain and enforce proper patent and any other protection for the Invention in the United States and any other country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

**IN WITNESS WHEREOF**, the Assignor has executed this document on the date indicated below:

DocuSigned by:  
  
 A4EA4B8F5DEE427...  
 \_\_\_\_\_  
 Martin L. Zucker

1/22/2021  
 \_\_\_\_\_  
 Date

MATTSON TECHNOLOGY, INC.

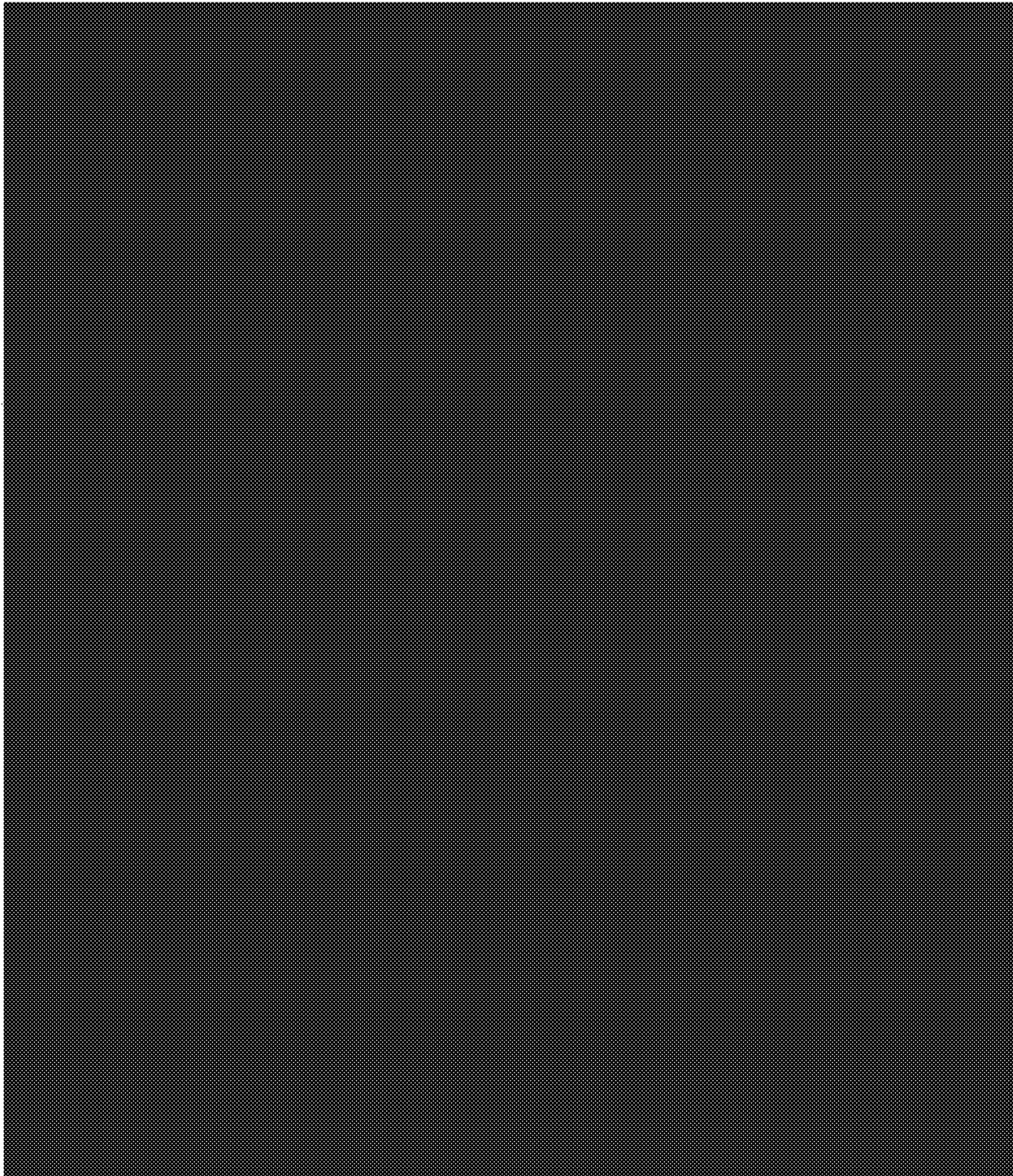
EMPLOYEE  
CONFIDENTIALITY AGREEMENT

This Confidentiality Agreement (this "Confidentiality Agreement") is entered into this 8th day of November, 1999 by and between MATTSON TECHNOLOGY, INC., a California corporation ("Employer") and the undersigned employee or prospective employee of Employer ("Employee") with reference to the following:

Employer is employing Employee in a position of trust and confidence. Employer desires to receive from Employee a covenant not to disclose certain information relating to Employer's business and certain other covenants, and the employment of Employee by Employer is conditioned upon Employer receiving such covenants. Employer and Employee desire to set forth in writing the terms and conditions of their agreements and understanding.

The parties agree as follows:





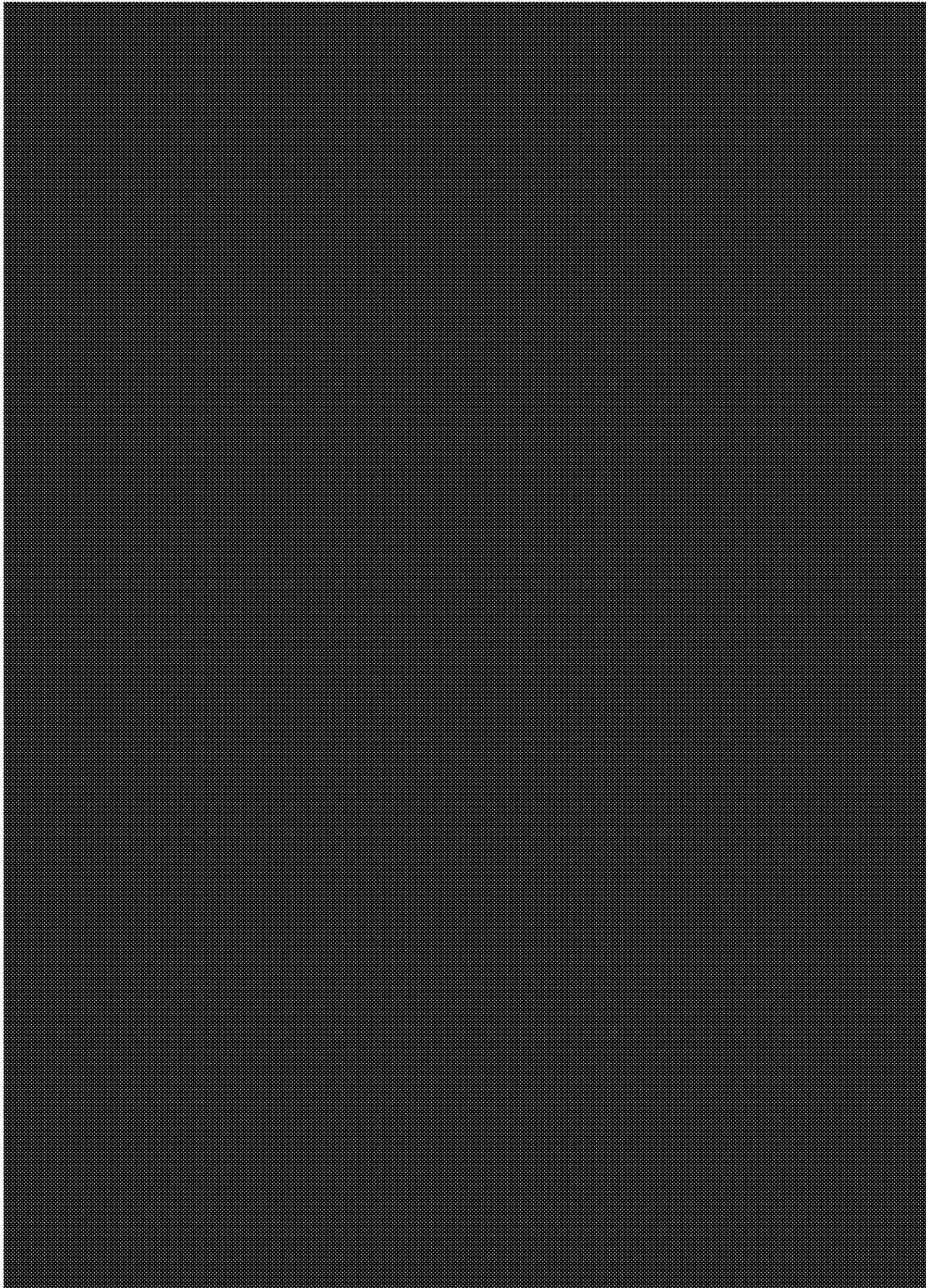
### 3. Ownership of Information.

3.1 Employee covenants and agrees that all right, title and interest in any Protected Information shall be and shall remain the exclusive property of Employer. Without limiting the generality of the foregoing, Employee hereby assigns and transfers to Employer Employee's entire right, title and interest in and to all inventions including,


but not limited to, ideas, improvements, designs and discoveries, whether or not patentable and whether or not reduced to practice, made or conceived by Employee (whether made solely by Employee or jointly with others) during the period of Employee's employment with Employer which related in any manner to the actual or demonstrably anticipated business, work, or research and development of Employer or its subsidiaries, or result from or are suggested by any task assigned to Employee or any work performed by Employee for or on behalf of Employer or its subsidiaries. Employee agrees that all such inventions are the sole property of Employer. Notwithstanding the foregoing, this Section 3.1 shall not apply to any invention for which no equipment, supplies, facility or Protected Information of Employer was used, which was developed entirely on Employee's own time, which does not (i) relate to the business of Employer, (ii) related to Employer's actual or demonstrably anticipated research or development or (iii) result from any work performed by Employee for Employer and which otherwise complies fully with the requirements of California Labor Code S 2870. Employee agrees immediately to disclose to Employer all Protected Information developed in whole or in part by Employee during the term of Employee's employment with Employer and to assign to Employer any right, title or interest Employee may have in such Protected Information. Employee agrees to execute any instruments and to do all other things reasonable requested by Employer (both during and after Employee's employment with Employer) in order to vest more fully in Employer all ownership rights in those items hereby transferred by Employee to Employer.

3.2 Employee acknowledges receipt of a copy of Section 2870 of the California Labor Code and that execution of this Agreement constitutes written notification, as required by Section 2872 of the California Labor Code, regarding such Section 2870 and its protective effect on certain inventions developed by Employee.

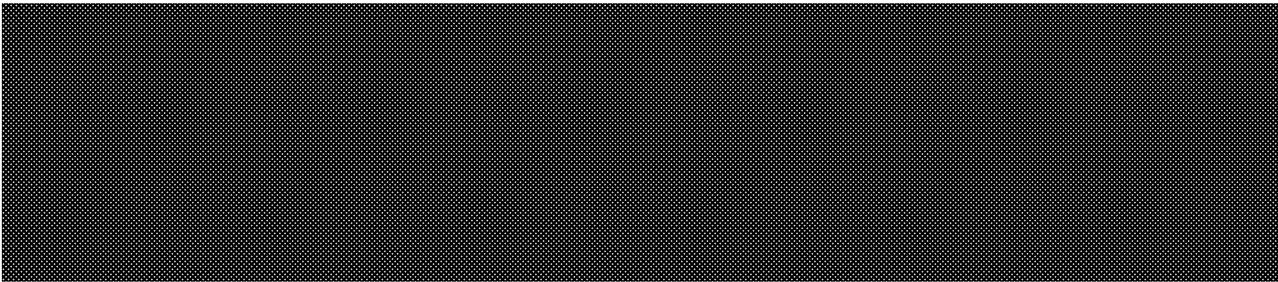
3.3 If any one or more of the items described in Section 3.1 above are protectable by copyright and are deemed in way to fall within the definition of "work made for hire," as such term is defined in 17 U.S.C. S 101, such work shall be considered a "work made for hire," the copyright of which shall be owned solely, completely and exclusively by Employer. If any one or more of the aforementioned items are protectable by copyright and are not considered to be included in the categories of works covered by the "work made for hire" definition contained in 17 U.S.C. S 101, such items shall be deemed to be assigned and transferred completely and exclusively to Employer by virtue of the execution of this Confidentiality Agreement.







12. Burden and Benefit; Employer. This Confidentiality Agreement shall be binding upon, and shall inure to the benefit of, Employer and Employee, and their respective heirs, personal and legal representatives, successors and assigns. As used in the Confidentiality Agreement, the term "Employer" shall also include any corporation or entity which is a parent, subsidiary or affiliate of Employer. Employee hereby consents to the enforcement of any and all of the provisions of this Confidentiality Agreement by or for the benefit of Employer and any such other corporation or entity as to any Protected Information.





IN WITNESS WHEREOF, Employer and Employee have duly executed this Confidentiality Agreement as of the day and year set forth above.

EMPLOYER

EMPLOYEE

MATTSON TECHNOLOGY, INC.

By: *Dawn Howard*  
(Signature)

*Ryan Pakulski*  
(Signature)

Its: DAWN HOWARD

Ryan Pakulski

(Print name)

**California Labor Code Section 28760**  
**Employment agreements; assignment of rights**

(a) Any provision in an employment agreement which provides that an employee shall assign, or offer to assign, any of his or her rights in an invention to his or her employer shall not apply to an invention that the employee developed entirely on his or her own time without using the employer's equipment, supplies, facilities, or trade secret information except for those inventions that either:

(1) Relate at the time of conception or reduction to practice of the invention to the employer's business, or actual or demonstrably anticipated research or development of the employer; or

(2) Result from any work performed by the employee for the employer.

(b) To the extent a provision in an employment agreement purports to require an employee to assign an invention otherwise excluded from being required to be assigned under subdivision (a), the provision is against the public policy of this state and is unenforceable.

**CONFIRMATORY ASSIGNMENT OF WORLDWIDE RIGHTS**

**WHEREAS**, I, Shawming Ma, a citizen of United States of America, residing in Sunnyvale, CA, US, as assignor, have solely or jointly made an invention entitled

**“FOCUS RING ADJUSTMENT ASSEMBLY OF A SYSTEM FOR PROCESSING  
WORKPIECES UNDER VACUUM”**

(the “Invention”) as described in a patent application (the “Patent Application”), the specification of which:

- is attached hereto.
- was filed on 05/13/2020 as U.S. Application Serial No. 15/930,910.
- was filed on \_\_\_\_\_ as PCT Application Serial No. \_\_\_\_\_.
- was filed on \_\_\_\_\_ as \_\_\_\_\_.

**WHEREAS**, Mattson Technology, Inc., 47131 Bayside Parkway, Fremont, California, 94538, as assignee, has received and secured or hereby receives and secures the entire right, title and interest in and to the Invention and the Patent Application in all countries throughout the world, in and to any Letters Patent or similar rights for the Invention to be issued upon the Patent Application throughout the world, any application for Letters Patent or similar rights for the Invention claiming priority to the Patent Application in all countries throughout the world, and any Letters Patent or similar rights to be issued claiming priority to the Patent Application in all countries throughout the world;


**NOW, THEREFORE**, be it known that for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I, as assignor, acknowledge and confirm that I have sold, assigned, transferred, conveyed, and set over, and/or do hereby sell, assign, transfer, convey, and set over unto the assignee, its lawful successors and assigns, my entire right, title, and interest in and to the Invention and the Patent Application now existing and in the future, and all divisions, continuations, continuations-in-part, and national-stage applications thereof, any and all applications claiming priority to the Patent Application, and all Letters Patent or similar rights which may be granted thereon, and all reissues and re-examinations of any of the foregoing, and all rights to claim priority on the basis of any of the foregoing applications, and all applications for Letters Patent or similar rights which may hereafter be filed for the Invention in any country and all Letters Patent or similar rights which may be granted on the Invention in any country, and all extensions, renewals, reissues, and re-examinations thereof, any and all causes of action, claims, and demands and other

rights for, or arising from, any infringement, breaches, or misappropriation, including past infringements, breaches, and misappropriations of any of the foregoing throughout the world, the right to take actions to assert any and all causes of action related to any of the foregoing throughout the world, including those accrued in assignor' favor for infringement, breach, and misappropriation, and the right to sue and recover and have past, present, and future damages and profits for infringement, breach, and misappropriation, in all countries, territories and possessions throughout the world in accordance with the laws thereof, to the full extent of such rights, and I hereby authorize and request the Commissioner for Patents of the United States and any official of any other country whose duty it is to issue patents on applications as described above, to issue all Letters Patent or similar rights for the Invention or the Patent Application to assignee, its successors and assigns, in accordance with the terms of this Assignment, and I hereby authorize the assignee, its successors and assigns, and the attorney(s) of record in applications as described above to modify this Assignment, subsequent to its execution, to more specifically identify the applications as described above.

**AND, I HEREBY** covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed, and will not execute any agreement in conflict with this Assignment;

**AND, I HEREBY** further covenant and agree that I will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me respecting the Invention, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title of the Invention in said assignee, its successors and assigns, execute all divisional, continuation, reissue applications, re-examination applications, and any applications claiming priority to the Patent Application, and make all rightful oaths and generally aid assignee, its successors and assigns, to obtain and enforce proper patent and any other protection for the Invention in the United States and any other country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

**IN WITNESS WHEREOF**, the Assignor has executed this document on the date indicated below:

DocuSigned by:  
  
 8CB8A21DD9D6417...  
 \_\_\_\_\_  
 Shawming Ma

1/22/2021  
 \_\_\_\_\_  
 Date

**CONFIRMATORY ASSIGNMENT OF WORLDWIDE RIGHTS**

**WHEREAS**, I, Michael X. Yang, a citizen of United States of America, residing in Palo Alto, CA, US, as assignor, have solely or jointly made an invention entitled

**“FOCUS RING ADJUSTMENT ASSEMBLY OF A SYSTEM FOR PROCESSING  
WORKPIECES UNDER VACUUM”**

(the “Invention”) as described in a patent application (the “Patent Application”), the specification of which:

- is attached hereto.
- was filed on 05/13/2020 as U.S. Application Serial No. 15/930,910.
- was filed on \_\_\_\_\_ as PCT Application Serial No. \_\_\_\_\_.
- was filed on \_\_\_\_\_ as \_\_\_\_\_.

**WHEREAS**, Mattson Technology, Inc., 47131 Bayside Parkway, Fremont, California, 94538, as assignee, has received and secured or hereby receives and secures the entire right, title and interest in and to the Invention and the Patent Application in all countries throughout the world, in and to any Letters Patent or similar rights for the Invention to be issued upon the Patent Application throughout the world, any application for Letters Patent or similar rights for the Invention claiming priority to the Patent Application in all countries throughout the world, and any Letters Patent or similar rights to be issued claiming priority to the Patent Application in all countries throughout the world;


**NOW, THEREFORE**, be it known that for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I, as assignor, acknowledge and confirm that I have sold, assigned, transferred, conveyed, and set over, and/or do hereby sell, assign, transfer, convey, and set over unto the assignee, its lawful successors and assigns, my entire right, title, and interest in and to the Invention and the Patent Application now existing and in the future, and all divisions, continuations, continuations-in-part, and national-stage applications thereof, any and all applications claiming priority to the Patent Application, and all Letters Patent or similar rights which may be granted thereon, and all reissues and re-examinations of any of the foregoing, and all rights to claim priority on the basis of any of the foregoing applications, and all applications for Letters Patent or similar rights which may hereafter be filed for the Invention in any country and all Letters Patent or similar rights which may be granted on the Invention in any country, and all extensions, renewals, reissues, and re-examinations thereof, any and all causes of action, claims, and demands and other

rights for, or arising from, any infringement, breaches, or misappropriation, including past infringements, breaches, and misappropriations of any of the foregoing throughout the world, the right to take actions to assert any and all causes of action related to any of the foregoing throughout the world, including those accrued in assignor' favor for infringement, breach, and misappropriation, and the right to sue and recover and have past, present, and future damages and profits for infringement, breach, and misappropriation, in all countries, territories and possessions throughout the world in accordance with the laws thereof, to the full extent of such rights, and I hereby authorize and request the Commissioner for Patents of the United States and any official of any other country whose duty it is to issue patents on applications as described above, to issue all Letters Patent or similar rights for the Invention or the Patent Application to assignee, its successors and assigns, in accordance with the terms of this Assignment, and I hereby authorize the assignee, its successors and assigns, and the attorney(s) of record in applications as described above to modify this Assignment, subsequent to its execution, to more specifically identify the applications as described above.

**AND, I HEREBY** covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed, and will not execute any agreement in conflict with this Assignment;

**AND, I HEREBY** further covenant and agree that I will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me respecting the Invention, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title of the Invention in said assignee, its successors and assigns, execute all divisional, continuation, reissue applications, re-examination applications, and any applications claiming priority to the Patent Application, and make all rightful oaths and generally aid assignee, its successors and assigns, to obtain and enforce proper patent and any other protection for the Invention in the United States and any other country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

**IN WITNESS WHEREOF**, the Assignor has executed this document on the date indicated below:

DocuSigned by:  
  
 505C9CE89D9546B...  
 Michael X. Yang

1/22/2021  
 \_\_\_\_\_  
 Date

**CONFIRMATORY ASSIGNMENT OF WORLDWIDE RIGHTS**

**WHEREAS**, I, Ted Tevis, a citizen of United States of America, residing in San Jose, CA, US, as assignor, have solely or jointly made an invention entitled

**“FOCUS RING ADJUSTMENT ASSEMBLY OF A SYSTEM FOR PROCESSING  
WORKPIECES UNDER VACUUM”**

(the “Invention”) as described in a patent application (the “Patent Application”), the specification of which:

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- was filed on \_\_\_\_\_ as \_\_\_\_\_.

**WHEREAS**, Mattson Technology, Inc., 47131 Bayside Parkway, Fremont, California, 94538, US, as assignee, has received and secured or hereby receives and secures the entire right, title and interest in and to the Invention and the Patent Application in all countries throughout the world, in and to any Letters Patent or similar rights for the Invention to be issued upon the Patent Application throughout the world, any application for Letters Patent or similar rights for the Invention claiming priority to the Patent Application in all countries throughout the world, and any Letters Patent or similar rights to be issued claiming priority to the Patent Application in all countries throughout the world;

**NOW, THEREFORE**, be it known that for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I, as assignor, acknowledge and confirm that I have sold, assigned, transferred, conveyed, and set over, and/or do hereby sell, assign, transfer, convey, and set over unto the assignee, its lawful successors and assigns, my entire right, title, and interest in and to the Invention and the Patent Application now existing and in the future, and all divisions, continuations, continuations-in-part, and national-stage applications thereof, any and all applications claiming priority to the Patent Application, and all Letters Patent or similar rights which may be granted thereon, and all reissues and re-examinations of any of the foregoing, and all rights to claim priority on the basis of any of the foregoing applications, and all applications for Letters Patent or similar rights which may hereafter be filed for the Invention in any country and all Letters Patent or similar rights which may be granted on the Invention in any country, and all extensions, renewals,

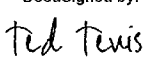


reissues, and re-examinations thereof, any and all causes of action, claims, and demands and other rights for, or arising from, any infringement, breaches, or misappropriation, including past infringements, breaches, and misappropriations of any of the foregoing throughout the world, the right to take actions to assert any and all causes of action related to any of the foregoing throughout the world, including those accrued in assignor' favor for infringement, breach, and misappropriation, and the right to sue and recover and have past, present, and future damages and profits for infringement, breach, and misappropriation, in all countries, territories and possessions throughout the world in accordance with the laws thereof, to the full extent of such rights, and I hereby authorize and request the Commissioner for Patents of the United States and any official of any other country whose duty it is to issue patents on applications as described above, to issue all Letters Patent or similar rights for the Invention or the Patent Application to assignee, its successors and assigns, in accordance with the terms of this Assignment, and I hereby authorize the assignee, its successors and assigns, and the attorney(s) of record in applications as described above to modify this Assignment, subsequent to its execution, to more specifically identify the applications as described above.

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**AND, I HEREBY** further covenant and agree that I will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me respecting the Invention, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title of the Invention in said assignee, its successors and assigns, execute all divisional, continuation, reissue applications, re-examination applications, and any applications claiming priority to the Patent Application, and make all rightful oaths and generally aid assignee, its successors and assigns, to obtain and enforce proper patent and any other protection for the Invention in the United States and any other country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

**IN WITNESS WHEREOF**, the Assignor has executed this document on the date indicated below:

DocuSigned by:  
  
D38F96D04AC2417... Ted Tevis

1/26/2021  
Date

**JOINT ASSIGNMENT OF WORLDWIDE RIGHTS**

WHEREAS, we, Martin L. Zucker, a citizen of the United States, residing in Orinda, California, USA; Peter J. Lembesis, a citizen of the United States, residing in Boulder Creek, California, USA; Ted Tevis, a citizen of the United States, residing in San Jose, California, USA; Alex Wansidler, a citizen of Germany, residing in Ulm, Germany; Dieter Hezler, a citizen of Germany, residing in Lonsee-Halzhausen, Germany; Ryan Pakulski, a citizen of the United States, residing in Brentwood, California, USA; Shawming Ma, a citizen of the United States, residing in Sunnyvale, California, USA, and Michael X. Yang, a citizen of the United States, residing in Palo Alto, California, USA, as assignors, have made an invention entitled

**“SYSTEMS AND METHODS FOR TRANSPORTATION OF REPLACEABLE PARTS IN A VACUUM  
PROCESSING APPARATUS”**

as described in a patent application for U.S. Letters Patent bearing U.S. Serial No. 62/847,595, which was filed in the U.S. Patent and Trademark Office on May 14, 2019; and

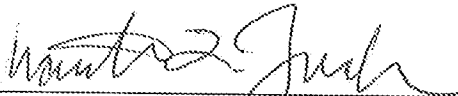


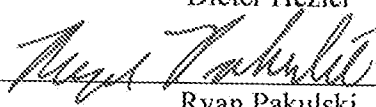
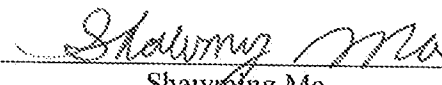
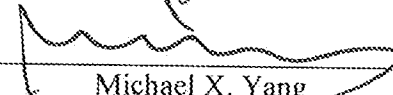
WHEREAS, Mattson Technology, Inc., 47131 Bayside Parkway, Fremont, CA 94538, as assignee, is desirous of securing the entire right, title and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW, THEREFORE, be it known that for good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have assigned, transferred, and set over, and do hereby assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all applications claiming priority to this application, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof, and all rights to sue and recover for past, present, and future infringement thereof, and we hereby authorize and request the Commissioner for Patents of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Agreement.

AND, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed, and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title of this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

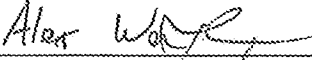
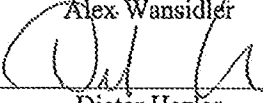
IN WITNESS WHEREOF, Assignors have executed this document on the date indicated below.

 _____ Martin L. Zucker	<u>5/31/19</u> _____ Date
 _____ Peter J. Lembesis	<u>6/11/19</u> _____ Date
 _____ Ted Tevis	<u>6/13/19</u> _____ Date
_____ Alex Wansidler	_____ Date
_____ Dieter Hezler	_____ Date
 _____ Ryan Pakulski	<u>6/27/19</u> _____ Date
 _____ Shawming Ma	<u>6/12/2019</u> _____ Date
 _____ Michael X. Yang	<u>5/31/2019</u> _____ Date

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IN WITNESS WHEREOF, Assignors have executed this document on the date indicated below.

_____	_____
Martin L. Zucker	Date
_____	_____
Peter J. Lembesis	Date
_____	_____
Ted Tevis	Date
	06/03/19
Alex Wansidler	Date
	06/03/19
Dieter Hezler	Date
_____	_____
Ryan Pakulski	Date
_____	_____
Shawming Ma	Date
_____	_____
Michael X. Yang	Date