

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TING XIE	05/30/2019
XINLIANG LU	05/31/2019
HUA CHUNG	05/31/2019
MICHAEL X. YANG	05/31/2019
RECEIVING PARTY DATA	
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City:	FREMONT
State/Country:	CALIFORNIA
Postal Code:	94538
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16878661
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	AGX-320 (1 OF 2)
NAME OF SUBMITTER:	J. PARKS WORKMAN
SIGNATURE:	/J. Parks Workman/
DATE SIGNED:	05/21/2020
Total Attachments: 2	
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source=AGX-320-P_Executed_Assignment#page2.tif	

JOINT ASSIGNMENT OF WORLDWIDE RIGHTS

WHEREAS, we, Ting Xie, a citizen of China, residing in Fremont, California, USA; Xinliang Lu, a citizen of the United States, residing in Fremont, California, USA; Hua Chung, a citizen of the United States, residing in Saratoga, 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

**“SURFACE PRETREATMENT PROCESS TO IMPROVE QUALITY OF OXIDE FILMS PRODUCED BY
REMOTE PLASMA”**

as described in a patent application for U.S. Letters Patent bearing U.S. Serial No. 62/850,750, which was filed in the U.S. Patent and Trademark Office on May 21, 2019; and

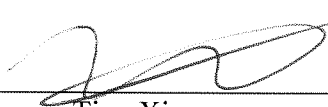
WHEREAS, Mattson Technology, Inc., 47131 Bayside Parkway, Fremont, CA 94538, as assignee, is desirous of securing the entire right, title and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the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

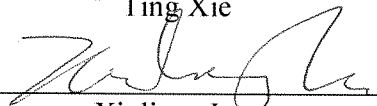
AND, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed, and will not execute any agreement in conflict with this Assignment;

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.

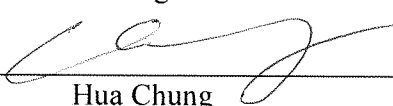
IN WITNESS WHEREOF, Assignors have executed this document on the date indicated below.



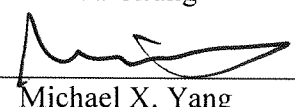
Ting Xie



Xinliang Lue



Hua Chung



Michael X. Yang

05/30/2019

Date

05/31/2019

Date

5/31/2019

Date

5/21/2019

Date