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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PATRICK A. VAN CLEEMPUT	11/19/2019
SHRUTI VIVEK THOMBARE	11/19/2019
MICHAL DANEK	11/19/2019

RECEIVING PARTY DATA

Name:	LAM RESEARCH CORPORATION
Street Address:	4650 CUSHING PARKWAY
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State/Country:	CALIFORNIA
Postal Code:	94538

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17294378

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	LAMRP395/9178-2US
NAME OF SUBMITTER:	DHARTI SHAH
SIGNATURE:	/Dharti Shah/
DATE SIGNED:	06/02/2021

Total Attachments: 2

source=9178-2US LAMRP395 Assignment executed#page1.tif source=9178-2US_LAMRP395_Assignment_executed#page2.tif

PATENT REEL: 056420 FRAME: 0222 506695069

ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned named inventor, possess the right, title and interest for and in the Invention(s) as set forth in the PCT international patent application entitled MOLYBDENUM TEMPLATES FOR TUNGSTEN (Atty. Docket No. 9178-1WO_LAMRP395WO), and

(1) for which I am a named inventor on a PCT international patent application that designates the U.S.;

AND/OR

(2) the same having been filed on 18 November 2019 as PCT Application No. PCT/US2019/062067 AND/OR

(3) which claims priority to U.S. Provisional Patent Application filed on 19 November 2018 as Application No. 62/769,479

in connection with which I hereby authorize and request the assignee's attorneys associated with Customer Number 83422 to insert within the foregoing parentheses the filing date and/or Application No. of said application when known.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned named inventor, hereby:

- 1) Sell, assign and transfer to Lam Research Corporation, a Delaware corporation having a place of business at 4650 Cushing Parkway, Fremont, CA 94538 ("ASSIGNEE"), the entire right, title and interest in the above-referenced application including any and all improvements and inventions disclosed therein, and in applications based upon, and patents (including foreign patents and the right to claim priority) granted upon, the above-referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representative, and shall be binding upon the named inventor, as well as the named inventor's heirs, legal representatives and assigns.

Assign US or Foreign Patent Application (No Notary)

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5) Warrant and represent that I have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date indicated beside my signature.

1) Signature: Typed Name	Signature:		Date:	11/19/2019
	-	Patrick A. van Cleemput		
2)	Signature: Typed Name:	Shruti Vivek Thombare	Date:	11/19/2019
3)	Signature: Typed Name:	Michal Danek	Date:	11/19/2019

Assign US or Foreign Patent Application (No Notary)

RECORDED: 06/02/2021

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