# 507090174 01/24/2022

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7137011

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

#### **CONVEYING PARTY DATA**

Name	Execution Date
APPLIED MATERIALS GMBH	05/26/2021

## **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	
Application Number:	17507342	

### **CORRESPONDENCE DATA**

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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hwong@pattersonsheridan.com

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ATTORNEY DOCKET NUMBER:	ZIMR/0498USPC01
NAME OF SUBMITTER:	BROOKS D. TUETING
SIGNATURE:	/Brooks D. Tueting/
DATE SIGNED:	01/21/2022

#### **Total Attachments: 3**

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PATENT 507090174 REEL: 058745 FRAME: 0831

#### ASSIGNMENT

WHEREAS, Applied Materials GmbH, having a principal place of business at Buchenstrasse 16B, 01097 Dresden, GERMANY (hereinafter referred to as ASSIGNOR), is the owner of all right, title and interest in, to, and under the patents and patent applications identified in the attached Annex A, entitled "Annex A @ 01Jul2020 to 31Dec2020 Applied Materials GmbH" including 5 cases on 1 page(s), and the inventions disclosed therein.

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, CA 95054, U.S.A. (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in, to, and under the patents and patent applications identified in the attached Annex A, and the inventions disclosed therein

NOW, THEREFORE, for good and valuable consideration acknowledged by said ASSIGNORS to have been received in full from said ASSIGNEE, ASSIGNOR, hereby sells, assigns, transfers and conveys to ASSIGNEE or its successor and assigns, the entire right, title and interest in, to, and under the patents and patent applications identified in the attached **Annex A**, and the inventions disclosed therein, and any related patent applications and all divisions, renewals and continuations thereof, and all patents which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models and designs which may hereafter be filed for the patents, patent applications, and inventions in any country or countries other than the countries of the patents and patent applications in Annex A together with the right to file such applications and the right to claim for the same, the priority rights derived from the patents and patent applications, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on patents and patent applications as aforesaid, to issue the same to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of

this instrument.

20/5/2021 26 May 2021 26 May 2021 26 May 2021 Assignment @ 01Jul2020 to 31Dec2020 \_ Applied Materials GmbH Package-Reference: 20210520GMBH5NSN

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ASSIGNOR hereby covenants and agrees that ASSIGNOR has full right to convey the entire interest assigned, and that ASSIGNOR has not executed, and will not execute, any agreement in conflict herewith.

ASSIGNOR hereby further covenants and agrees that ASSIGNOR will communicate to ASSIGNEE, its successor, legal representatives and assigns, any facts known to ASSIGNOR regarding the inventions, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for the inventions in all countries all at ASSIGNEE'S expense.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignees on the dates indicated below.

	JoouSigned by:
26 May 2021	Samuel E. Lee
Date	Signature(s)
	Samuel K. Lee
	Typed or printed name(s)
	Managing Director
	Title(s) of person(s) signing
	Applied Materials GmbH
	Assignor name
26 May 2021	Raymond Ewong
Date	Signature(s)
	Ray mond K Kwong
	Typed or printed name(s)
	Corporate Vice President & Assistant Secretary
	Title(s) of person(s) signing
	Applied Materials, Inc.
	Assignee name
	(W)
nt @ 01Jul2020 to 31Dec2020 _ Applied Materials GmbH	26 May 2021

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**RECORDED: 01/24/2022** 

### Annex A @ 01Jul2020 to 31Dec2020 \_ Applied Materials GmbH

No.	AMAT Reference	Country	Official No.	Title	Our ref.
				Method of automatically focusing a charged	
				particle beam on a surface region of a	
				sample, method of calculating a converging	
				set of sharpness values of images of a	
	44016475WO01/DISPLAY/DISPLAY			charged particle beam device and charged	
1	_E B Technology	PCT	PCT/EP2019/059456	particle beam device for imaging a sample	24925P-WO
	44017834WO01/DISPLAY/DISPLAY			Method of inspecting a sample, and multi-	
2	_E B Technology	PCT	PCT/EP2020/060826	electron beam inspection system	26958P-WO
				Method of imaging a sample with a charged	
				particle beam device, method of calibrating	
	44018183WO01/DISPLAY_E B			a charged particle beam device, and	
3	Technology	PCT	PCT/EP2020/071418	charged particle beam device	27361P-WO
				Method for identifying a line defect on a	
	44018474WO01/DISPLAY_E B			substrate, and apparatus for identifying a	
4	Technology	PCT	PCT/EP2020/070841	line defect on a substrate	27364P-WO
				Method for defect review measurement on	
	44018580WO01/DISPLAY E B			a substrate, apparatus for imaging a	
5	Technology	PCT	PCT/EP2020/072524	substrate, and method of operating thereof	27424P-WO

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20.05.2021 Annex A for Assignment from Applied Materials GmbH to Applied Materials, Inc Package-Reference: 20210520GMBH5NSN 5 cases

PATENT REEL: 058745 FRAME: 0834