

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YUKO KENGOYAMA	07/08/2020
HIDEMI SUEMORI	07/07/2020
RYU NAKANO	07/08/2020
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16999065
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	PAT-JPN-0464-US-NP
<b>NAME OF SUBMITTER:</b>	MICHELLE SYMPSON
<b>SIGNATURE:</b>	/Michelle Simpson/
<b>DATE SIGNED:</b>	10/01/2020
<b>Total Attachments: 2</b>	
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source=PAT-JPN-0464-US-NP Assignment Executed#page2.tif	

Filing Date: August 21, 2020

Title: METHOD FOR DEPOSITING SILICON OXIDE FILM HAVING IMPROVED QUALITY BY PEALD USING BID(DIETHYLAMINO)SILANE

### **ASSIGNMENT**

WHEREAS, Yuko KENGOYAMA, a citizen of Japan and a resident of Kawasaki-shi, Japan; Hidemi SUEMORI, a citizen of Japan and a resident of Hillsboro, Oregon; Ryu NAKANO, a citizen of Japan and a resident of Sagami-hara, JP;

(collectively, “WE” or “ASSIGNOR”) have conceived of one or more processes, methods, machines, articles of manufacture, designs, compositions of matter, inventions, discoveries or new or useful improvements relating to METHOD FOR DEPOSITING SILICON OXIDE FILM HAVING IMPROVED QUALITY BY PEALD USING BID(DIETHYLAMINO)SILANE (collectively, the “INVENTIONS”) for which WE have executed and/or may execute one or more patent applications therefore; and

WHEREAS, ASM IP HOLDING B.V. (hereinafter “ASSIGNEE”), a corporation having a place of business at Versterkerstraat 8, Almere, 1322 AP, Netherlands, desires to acquire or otherwise obtain the entire right, title, and interest in and to said INVENTIONS, including all patent applications therefore, and all patents that have granted or may be granted hereafter thereon, including, but not limited to, those identified below.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, WE do hereby acknowledge that WE have sold, assigned, conveyed and transferred, and by these presents do hereby sell, assign, convey and transfer, unto ASSIGNEE, its successors, its legal representatives and its assigns, the entire right, title, and interest throughout the world in and to said INVENTIONS, including all patent applications therefore that may have been filed or may be filed hereafter for said INVENTIONS (including but not limited Application No(s). 16/999,065, filed on August 21, 2020, as Docket No. PAT-JPN-0464-US-NP (and do hereby authorize ASSIGNEE and its representative to hereafter add herein such application number(s) and/or filing date(s) when known)) and all rights of priority under International Conventions, Treaties, and Agreements, all utility applications, national phase applications, utility model applications, divisional applications, renewal applications, continuation applications, continuation-in-part applications, patent of addition applications, confirmation applications, validation applications and design applications thereof, and all issued patents which may have granted or may be granted hereafter thereon and all reissues, renewals, reexaminations, and extensions to any of the foregoing and all patents issuing thereon;

AND WE DO HEREBY authorize and request any Official of any country or countries whose duty it is to issue patents on applications or registrations, to issue all patents for said INVENTIONS to ASSIGNEE, its successors, its legal representatives, and its assigns, in accordance with the terms of this instrument;

Application Serial No.: \_\_\_\_\_

Docket No.: PAT-JPN-0464-US-NP

Filing Date: \_\_\_\_\_

Title: METHOD FOR DEPOSITING SILICON OXIDE FILM HAVING IMPROVED  
QUALITY BY PEALD USING BID(DIETHYLAMINO)SILANE

AND WE DO HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, its legal representatives, and its assigns all claims for damages and all remedies arising out of or relating to any violation(s) of any of the rights assigned hereby that have or may have accrued prior to the date of assignment to said ASSIGNEE, or may accrue hereafter, including, but not limited to the right to sue for, seek, obtain, collect, recover and retain damages and any ongoing or prospective royalties to which WE may be entitled, or form any settlement or agreement related to any of said patents before or after issuance;

AND WE HEREBY covenant and agree that WE will communicate promptly to said ASSIGNEE, its successors, its legal representatives, and its assigns, any facts known to us respecting said INVENTIONS, and will testify in any legal proceeding, sign all lawful papers, execute all applications and certificates, make all rightful declarations and/or oaths, and provide all lawful assistance to said ASSIGNEE, its successors, its legal representatives, and its assigns, to obtain and enforce patent protection for said INVENTIONS in all countries.

EXECUTED as of the date(s) below by ASSIGNOR:

Yuko KENGOYAMA

堅岡山 裕子

Signature

2020.7.8

Date

Hidemi SUEMORI

末原 英

Signature

2020.7.7

Date

Ryu NAKANO

中野 龍

Signature

2020.7.8

Date