506591138 04/02/2021

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PATRICK KWON	08/29/2017
JUNGHOON YEOM	08/29/2017

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17184509

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NAME OF SUBMITTER:	KARIN KRAHN
SIGNATURE:	/Karin Krahn/
DATE SIGNED:	04/02/2021

Total Attachments: 3

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PATENT 506591138 REEL: 055811 FRAME: 0372

ASSIGNMENT

As a below-named inventor, I hereby declare that:

My post office address is as stated below under my signature and I am named as an inventor of the inventions (herein INVENTIONS) as described in the patent application (herein APPLICATION) identified below.

Title: MICROCHEMICAL SYSTEM APPARATUS AND RELATED METHODS OF FABRICATION

Inventors: Patrick Kwon and Junghoon Yeom

Serial Number: 15/685,095

Filing Date: August 24, 2017

In view of valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and further in view of my obligations respecting "University Inventions" as set forth in the current version of the MSU Faculty Handbook, I do hereby assign and transfer unto the BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY, 450 Administration Building, East Lansing, MI 48824-1046 (herein ASSIGNEE), my entire right, title and interest in and to the INVENTIONS, the APPLICATION and the right of priority thereto, and all related applications (including provisional applications, non-provisional regular applications, divisions, reissues, reexaminations, supplemental examinations, inter partes reviews, oppositions, post grant reviews, continuations, international patent applications, foreign patent applications, supplementary protection certificates, and extensions thereof, whether or not claiming priority to the APPLICATION) and all counterparts in other countries and any and all Letters Patent (and certificates of invention or similar certificates) (herein PATENTS) which may be granted based upon the INVENTIONS or the APPLICATION or related applications or counterparts in other countries, including the right to bring suit and to claim and retain all damages and/or seek other remedies for the past, present, or future infringement of any of the foregoing, the right to claim priority benefit to the APPLICATION or related applications, and the right to issue the PATENTS in the name of the ASSIGNEE, this assignment being applicable throughout the world; and I do hereby agree to assign and transfer unto ASSIGNEE, its successors or assigns, on like terms as set forth in this Assignment, my entire right, title and interest in and to any continuation-in-part applications related to the APPLICATION or to any other related applications related to the APPLICATION herein assigned (including non-provisional regular applications, divisions, reissues, reexaminations, supplementary examinations, inter partes reviews, oppositions, post grant reviews, continuations, international patent applications, foreign patent applications, supplementary protection certificates, and extensions thereof claiming priority to the APPLICATION).

I agree that I will communicate to ASSIGNEE or its designated representatives any material facts known to me respecting the INVENTIONS and/or the APPLICATION; testify in any legal proceedings respecting the INVENTIONS; and execute any and all papers deemed necessary by ASSIGNEE, its successors or assigns, to secure the rights herein assigned.

I hereby represent and warrant that (i) I have the right to make this assignment to the ASSIGNEE, (ii) I have not granted any rights inconsistent with the rights granted herein, and (iii) there are no outstanding encumbrances, liens, prior assignments, licenses or other obligations or restrictions on the rights, titles, and interest herein assigned.

PATENT REEL: 055811 FRAME: 0373 Atty. Docket No. 32213/40085A Kwon et al., "Microchemical System Apparatus and Related Methods of Fabrication"

I authorize ASSIGNEE or its representatives to complete the Application Serial Number and Filing Date of the Application, once known, if that information is not specified above as of the date of my signature hereto.

On behalf of Assignee,	Richard Chylla		,
	Name		
	Executive Director of MSU Techn	nologies, on behalf of Board of Trustees o	ห้
	Michigan State University		
	Tille		
hereby confirms Assignee's	s acceptance.		
	~ . ~ 1 0 0 0	estertin	
	GW4XX	31.4131.	
	Signature //	Date	

FULL NAME OF INVENTOR Patrick Kwon Inventor's signature Residence Ökemos, Michigan Citizenship US Post Office Address 2115 Woodfield Road Okemos, Michigan 48864 Signed and witnessed in the presence of: JENNIFER COX HOTARY PUBLIC, STATE OF ME COUNTY OF NIGHAM BAY COMMISSION EXPIRES API 24, 2018 ACTING IN COUNTY OF TO SHOW **FULL NAME OF INVENTOR** Junghoon Yeom Inventor's signature Residence Ökemos, Michigan Citizenship Republic of Korea Post Office Address 3543 Breezy Point Dr. Okemos, Michigan 48864 Signed and witnessed in the presence of: JENNIFER COX NOTARY PUBLIC, STATE OF MI COUNTY OF INGHAM MY COMMISSION EXPIRES Apr 24, 2019 CTING IN COUNTY OF TIXHYOUS

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(Typed or printed name of witness)