505642672 08/27/2019

PATENT ASSIGNMENT COVER SHEET

EPAS ID: PAT5689478 Electronic Version v1.1

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BYONG DEOK CHOI	02/25/2016
DONG KYUE KIM	02/25/2016
KWANG HYUN JEE	02/25/2016

RECEIVING PARTY DATA

Name:	ICTK CO., LTD.
Street Address:	3RD FLOOR, 323, PANGYO-RO
Internal Address:	BUNDANG-GU, SEONGNAM-SI
City:	GYEONGGI-DO
State/Country:	KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF
Postal Code:	463-400

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16551605	

CORRESPONDENCE DATA

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

Phone: 9712718020

Email: foreigninbound@mccrus.com MCCOY RUSSELL LLP **Correspondent Name:**

Address Line 1: 806 SW BROADWAY SUITE 600 Address Line 4: PORTLAND, OREGON 97205

ATTORNEY DOCKET NUMBER:	MHN16302PCTUSCON1		
NAME OF SUBMITTER:	OONA R. FISHER CAMPBELL		
SIGNATURE:	/Oona R. Fisher Campbell/		
DATE SIGNED:	08/27/2019		

Total Attachments: 1

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PATENT REEL: 050186 FRAME: 0055

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ASSIGNMENT

WHEREAS, I/we, the following named inventor(s):

- 1. Byong Deok Choi, residing in Seoul, Republic of Korea:
- 2. Dong Kyue Kim, residing in Seoul, Republic of Korea; and
- 3. Kwang Hyun Jee, residing in Gyeonggi-do, Republic of Korea;

have invented an invention entitled METHOD AND APPARATUS FOR GENERATING PUF BY TRANSFORMING PHOTO MASK IN SEMICONDUCTOR PROCESS for which I/we have executed an application for Letters Patent of the United States (check one):

() on the date I/we executed this assig	gnment;		
(X) as U.S. Patent Application No	16/551,605	, filed	August 26, 2019
() as International Application No		, filed	

I/we authorize the attorneys at Alleman Hall McCoy Russell & Tuttle LLP (Customer Number 50488) to insert the filing date and application number of said application when known.

WHEREAS, ICTK CO., LTD., ("Assignee"), a Republic of Korea corporation, having its principal place of business at 3rd Floor, 323, Pangyo-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, 463-400, Republic of Korea, is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are bereby acknowledged, I/we, the above named inventor(s), have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto Assignee, the full and exclusive right to the above-identified invention in the United States and its territorial possessions and in all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries, and in and to any and all divisions, reissues, continuations and extensions thereof, and all priority rights under all present or future conventions and treaties, and any provisional applications for which priority is claimed.

I/We hereby authorize and request the Patent Office officials in the United States and any and all foreign countries to issue any and all of said Letters Patent, when granted, to Assignee, as the assignee of my/our entire right, title and interest in and to the same, for the sole use of the Assignee, its successors and assigns.

Further, I/we agree that I/we will communicate to Assignee, or its representatives, any facts known to me/us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to Assignee, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, I/we have hereunto set my/our hand(s) on the dates indicated below.

I. Inventor Name: Byong Deok Choi	Signature:	Jane -	Date:	Feb. 25, 2016
2. Inventor Name: Dong Kyue Kim	Signature:	Day Kyulhi	Date:_	Feb. 25, 2016
3. Inventor Name: <u>Kwang Hyun Jee</u>	Signature:	201-00-	Date:	Feb. 25, 2016

ASSIGNMENT Page 1 of 1 - AHMRT Ref: MHN16302PCTUS; MHN Ref: FPE-2014-0387/US

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RECORDED: 08/27/2019