

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
WONIK IPS CO., LTD.	04/29/2016
RECEIVING PARTY DATA	
Name:	WONIK IPS CO., LTD.
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State/Country:	KOREA, REPUBLIC OF
Postal Code:	17709
PROPERTY NUMBERS Total: 9	
Property Type	Number
Application Number:	13393911
Application Number:	13393498
Application Number:	13509986
Application Number:	13978138
Application Number:	14086959
Application Number:	14355206
Application Number:	14311207
Application Number:	15025548
Application Number:	15025549
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DATE SIGNED:	05/03/2016
Total Attachments: 3 source=Assignment_WONIK_IPS#page1.tif source=Assignment_WONIK_IPS#page2.tif source=Assignment_WONIK_IPS#page3.tif	

ASSIGNMENT

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U.S. Applications:

- (1) U.S. Application No.: 13/393,911
Filing Date: March 2, 2012
Title: GAS-DISCHARGING DEVICE AND SUBSTRATE-PROCESSING APPARATUS USING SAME
- (2) U.S. Application No.: 13/393,498
Filing Date: February 29, 2012
Title: GAS INJECTION APPARATUS AND SUBSTRATE PROCESSING APPARATUS USING SAME
- (3) U.S. Application No.: 13/509,986
Filing Date: May 15, 2012
Title: SHOWER HEAD ASSEMBLY AND THIN FILM DEPOSITION APPARATUS COMPRISING SAME
- (4) U.S. Application No.: 13/978,138
Filing Date: July 2, 2013
Title: THIN FILM VAPOR DEPOSITION METHOD AND THIN FILM VAPOR DEPOSITION APPARATUS

- (5) U.S. Application No.: 14/086,959
Filing Date: November 21, 2013
Title: SUBSTRATE PROCESSING APPARATUS
- (6) U.S. Application No.: 14/355,206
Filing Date: September 10, 2014
Title: APPARATUS AND METHOD FOR TREATING A SUBSTRATE
- (7) U.S. Application No.: 14/311,207
Filing Date: June 20, 2014
Title: SUBSTRATE SUPPORT APPARATUS AND SUBSTRATE
PROCESS APPARATUS HAVING THE SAME
- (8) U.S. Application No.: 15/025,548
Filing Date: March 28, 2016
Title: METHOD FOR MANUFACTURING THIN FILM
- (9) U.S. Application No.: 15/025,549
Filing Date: March 28, 2016
Title: METHOD FOR MANUFACTURING THIN FILM

For good and valuable consideration, the receipt of which is hereby acknowledged, the above-named Assignor hereby sells, assigns and transfers to Assignee, the full and exclusive right, title and interest in and to the above-identified inventions, patent applications and patent rights throughout the world, including foreign patent priority rights; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues, non-provisionals and extensions thereof, to be held and enjoyed by Assignee, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and covenant that Assignor has full right so to do, and agree that Assignor will communicate to Assignee, or its successors and assigns, any facts known to Assignor respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, non-provisional and reissue applications, make all rightful oaths, and do everything possible to aid Assignee, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

In the event that the patent application filing date or serial number is not known at the time this document is executed, Assignor hereby grants permission to the attorneys of record in the patent application to fill in the filing date and/or serial number above, and to record this assignment after such information is added.

Executed at Gyeonggi-Do, this 29th day of April, 2016.

Yoon Hee Ha
Name: Yoon Hee Ha

Title: CFO

WONIK IPS CO., LTD.