

## 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>
YOUNG JUNE MOON	12/14/2017
DAE HAN KIM	12/14/2017
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15738273
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<b>NAME OF SUBMITTER:</b>	OLGA AYALA
<b>SIGNATURE:</b>	/Olga Ayala/
<b>DATE SIGNED:</b>	12/20/2017
<b>Total Attachments: 2</b>	
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source=Assignment#page2.tif	

## ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEEs to ASSIGNORs of the sum of One Dollar (\$1.00) and for other good and valuable consideration, the receipt of which is hereby acknowledged,

### ASSIGNORs:

Name	Address
Young June MOON	(Jamwon-dong, Sinbanpo Apt.), 302-606, 88, Jamwon-ro, Seocho-gu, Seoul 06520, Republic of Korea
Dae Han KIM	(Ichon-dong, Ichon Apt.), 105-1003, 21, Ichon-ro 87-gil, Yongsan-gu, Seoul 04423, Republic of Korea

hereby sell, assign and transfer to:

### ASSIGNEE:

Name	Address
KOREA UNIVERSITY RESEARCH AND BUSINESS FOUNDATION	(Anam-dong 5-ga), Korea University, 145, Anam-ro, Seongbuk-gu, Seoul 02841, Republic of Korea

and the successors, assigns and legal representatives of the ASSIGNEE, entire right, title and interest for the United States and its territorial possessions, and in all foreign countries, including all rights to claim priority, in and to the invention entitled:

### CONTRA-ROTATING MULTI-LAYER PROPELLER UNIT FOR MULTI-PHASE FLOW

invented by Young June MOON et al. and which is found in:

- the U.S. patent application executed on even date herewith;
- the U.S. patent application executed on
- the U.S. patent application no.: filed:
- the International Application no. filed:
- the U.S. patent no. issued on ;

and, in and to all Letters Patent, both foreign and domestic, to be obtained for said invention by the aforesaid U.S. patent application, and in and to all Non-Provisional and International Applications claiming priority therefrom, and all Letters Patent, both foreign and domestic, to be obtained for said invention by the aforesaid Non-Provisional and International Applications claiming priority therefrom, and all continuation, division, renewal, continuation-in-part or substitute of said Non-Provisional U.S. Patent Applications, and as to Letters Patent and any reissue or re-examination thereof, and to any legal equivalent thereof in a foreign country, including, the right to apply for patents and inventor certificates in respect thereof, the right to claim priority, and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of the invention.

ASSIGNORS hereby authorize ASSIGNEEs or their legal representative to insert in this instrument the filing date and serial number of said application or any other information that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for the recordation of this document.


ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further covenant and agree that ASSIGNEEs will, upon their request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS, and that ASSIGNORS will, at ASSIGNEEs' expense, testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEEs, their assigns or their legal representatives, without further or additional consideration, any and all papers, instruments or affidavits required, render all necessary assistance, and do such additional acts as ASSIGNEEs may deem necessary or desirable, to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEEs of the entire right, title and interest in and to the same, for ASSIGNEEs sole use and benefit, and for the use and benefit of ASSIGNEEs legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNORS had this assignment and sale not been made.

The parties agree that the foregoing covenants and obligations shall bind and inure to the benefit of the heirs, assigns and legal representatives of both parties.

Date: Dec. 14, 2017

Signature:   
Young June MOON

Date: Dec. 14, 2017

Signature:   
Dae Han KIM