

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4148560

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
WOON-JIN CHUNG	11/02/2016
HAN-SOL LEE	11/02/2016
JAE-KWUN CHO	11/02/2016
JAE-KWUN HWANG	11/02/2016
RECEIVING PARTY DATA	
Name:	ORION CO., LTD.
Street Address:	217, 1GONGDAN-RO
Internal Address:	GUMI-SI
City:	GYEONGSANGBUK-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	730-704
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15312142
CORRESPONDENCE DATA	
Fax Number:	(206)682-6031
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	206-622-4900
Email:	YvetteS@SeedIP.com
Correspondent Name:	HAI HAN, PH.D.
Address Line 1:	SEED IP LAW GROUP LLP
Address Line 2:	701 FIFTH AVENUE, SUITE 5400
Address Line 4:	SEATTLE, WASHINGTON 98104
ATTORNEY DOCKET NUMBER:	720183.401USPC
NAME OF SUBMITTER:	HAI HAN, PH.D.
SIGNATURE:	/Hai Han/
DATE SIGNED:	11/17/2016
Total Attachments: 5	

source=720183_401USPC_Assignment#page1.tif
source=720183_401USPC_Assignment#page2.tif
source=720183_401USPC_Assignment#page3.tif
source=720183_401USPC_Assignment#page4.tif
source=720183_401USPC_Assignment#page5.tif

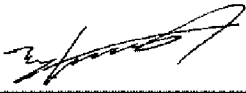
ASSIGNMENT

WHEREAS, we, Woon-Jin Chung, Han-Sol Lee, Jae-Kwun Cho, and Jae-Kwun Hwang (hereinafter referred to as ASSIGNORS), having mailing addresses of #311-203, 73, Sicheong-ro, Seobuk-go, Cheonan-si, Chungcheongnam-do 331-739, Republic of Korea; #Na-301, 15-7, Gyeryong-ro 568beon-gil, Seo-gu, Daejeon 302-814, Republic of Korea; #C-511, 957, Seonsan-daero, Goa-eup, Gumi-si, Gyeongsangbuk-do 730-811, Republic of Korea; and #201-602, 15 Bonggongnam-ro 20-gil, Gumi-si, Gyeongsangbuk-do 730-744, Republic of Korea, respectively, are the joint inventors of an invention entitled "GLASS MATERIAL FOR SEALING LARGE-AREA DYE-SENSITIZED SOLAR CELL," as described and claimed in the specification of International Application No. PCT/KR2015/005044, accorded an International Filing Date of May 5, 2015, for which an application for United States letters patent is sought;

WHEREAS, Orion Co., Ltd. (hereinafter referred to as ASSIGNEE), having a usual place of business at 217, Igongdan-ro, Gumi-si, Gyeongsangbuk-do 730-704, Republic of Korea, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions including any extensions or adjustments in term thereof, and in any and all divisions, reissues and continuations thereof, including the right to sue and collect damages for past and present infringement of said letters patent; said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

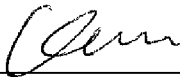
November 2, 2016
Date


Woon-Jin Chung


I certify that I know or have satisfactory evidence that Woon-Jin Chung signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date November 2, 2016 Signed at Seoul/Korea
(Type or Print)

Miae Kim
(Type or Print Name of Witness)


(Signature of Witness)

November 2, 2016
Date


Han-Sol Lee

I certify that I know or have satisfactory evidence that Han-Sol Lee signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date November 2, 2016 Signed at Seoul/Korea
(Type or Print)

Miae Kim
(Type or Print Name of Witness)


(Signature of Witness)

November 2, 2016
Date

chojk
Jae-Kwun Cho

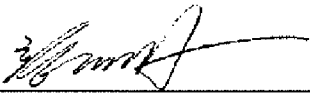
I certify that I know or have satisfactory evidence that Jae-Kwun Cho signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date _____ November 2, 2016 _____ Signed at _____ Seoul/Korea
(Type or Print)

Miae Kim
(Type or Print Name of Witness)

Kim
(Signature of Witness)

November 2, 2016
Date


Jae-Kwun Hwang

I certify that I know or have satisfactory evidence that Jae-Kwun Hwang signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date November 2, 2016 Signed at Seoul/Korea
(Type or Print)

Miae Kim
(Type or Print Name of Witness)


(Signature of Witness)