

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>CHULCHAE CHOI</td><td>03/09/2010</td></tr><tr><td>CHANGSEO PARK</td><td>03/09/2010</td></tr><tr><td>JINSUNG KIM</td><td>03/09/2010</td></tr><tr><td>JAEWON CHANG</td><td>03/09/2010</td></tr><tr><td>HYUNGSEOK KIM</td><td>03/09/2010</td></tr><tr><td>YOUNGHO CHOE</td><td>03/09/2010</td></tr><tr><td>PHILWON YOON</td><td>03/09/2010</td></tr></tbody></table>	Name	Execution Date	CHULCHAE CHOI	03/09/2010	CHANGSEO PARK	03/09/2010	JINSUNG KIM	03/09/2010	JAEWON CHANG	03/09/2010	HYUNGSEOK KIM	03/09/2010	YOUNGHO CHOE	03/09/2010	PHILWON YOON	03/09/2010	
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PHILWON YOON	03/09/2010																
RECEIVING PARTY DATA																	
Name:	LG ELECTRONICS INC.																
Street Address:	20, YEOUIDO-DONG, YEONGDEUNGPO-GU																
City:	SEOL																
State/Country:	KOREA, REPUBLIC OF																
Postal Code:	150-721																
PROPERTY NUMBERS Total: 1																	
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Patent Number:</td><td>10784385</td></tr></tbody></table>	Property Type	Number	Patent Number:	10784385													
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Patent Number:	10784385																
CORRESPONDENCE DATA																	
Fax Number:	(703)770-7901																
<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>																	
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Address Line 2:	ATTN. DOCKETING DEPT.																
Address Line 4:	MCLEAN, VIRGINIA 22102																
ATTORNEY DOCKET NUMBER:	066061-0571585																
NAME OF SUBMITTER:	NICOLE BANKS																
SIGNATURE:	/Nicole Banks/																

DATE SIGNED:	11/06/2022
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 2 source=066061-0571585 Parent Assignment filed 06NOV2022#page3.tif source=066061-0571585 Parent Assignment filed 06NOV2022#page4.tif	

ATTORNEY DOCKET NO. 1630-0798PUS1

BIRCH, STEWART, KOLASCH & BIRCH, LLPUNITED STATES PATENT RIGHTS, OR
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS**ASSIGNMENT**Application No. 12/721,353 Filed March 10, 2010Insert Name(s)
of Inventor(s)

*** (Given Name FAMILY NAME (ALL CAPS)) ***

WHEREAS, Chulhae CHOI; Changseo PARK; Jinsung KIM; Jaewon CHANG; Hyungseok KIM; Youngho CHOE; and Philwon YOON (hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in;

Insert Title
of Invention

SOLAR CELL AND SOLAR CELL MODULE

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application)

Insert Date
of Signing of
Applicationon March 9, 2010 : andInsert Name
of Assignee
Insert Address
of Assignee

WHEREAS, LG Electronics Inc.

of 20, Yeouido-Dong, Yeongdeungpo-Gu, Seoul, 150-721, REPUBLIC OF KOREA

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

CHECK BOX
IF APPROPRIATE☒ in any foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

Attorney Docket No. 1630-0798PUE1

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

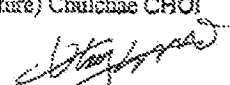
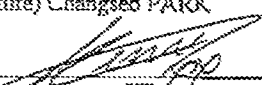
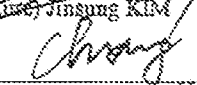
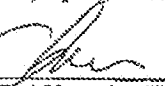
The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date <u>Mar 109/10</u>	Name of Inventor <u>Chulchae CHOI</u> (signature) Chulchae CHOI
Date <u>Mar/09/10</u>	Name of Inventor <u></u> (signature) Changseo PARK
Date <u>Mar/09/10</u>	Name of Inventor <u></u> (signature) Jinsung KIM
Date <u>Mar/09/10</u>	Name of Inventor <u></u> (signature) Jaewon CHANG
Date <u>Mar/09/10</u>	Name of Inventor <u></u> (signature) Hyunseok KIM
Date <u>Mar/09/10</u>	Name of Inventor <u></u> (signature) Youngho CHOE
Date <u>Mar/09/10</u>	Name of Inventor <u></u> (signature) Philwon YOON