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PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KEN KITAMURA	07/24/2015
MASATO TOITA	07/24/2015
HIRONORI ISHII	07/31/2015
YUTING WANG	07/31/2015
LEO J. SCHOWALTER	07/24/2015
JIANFENG CHEN	07/24/2015
JAMES R. GRANDUSKY	07/24/2015

RECEIVING PARTY DATA

Name:	CRYSTAL IS, INC.
Street Address:	70 COHOES AVENUE
City:	GREEN ISLAND
State/Country:	NEW YORK
Postal Code:	12183

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15898347

CORRESPONDENCE DATA

Fax Number: (202)739-3001

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.

Phone: 617-951-8525

Email: patents@morganlewis.com, debra.gilbride@morganlewis.com

Correspondent Name:MATTHEW THOMAS CURRIEAddress Line 1:MORGAN, LEWIS & BOCKIUS LLPAddress Line 2:1111 PENNSYLVANIA AVE, N.W.

Address Line 4: WASHINGTON, D.C. 20004

ATTORNEY DOCKET NUMBER:	CIS-022C1/107509-5022
NAME OF SUBMITTER:	MATTHEW T. CURRIE
SIGNATURE:	/Matthew T. Currie/
DATE SIGNED:	02/27/2019

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Total Attachments: 8 source=CIS-022C1 Executed Assignment#page1.tif source=CIS-022C1 Executed Assignment#page2.tif source=CIS-022C1 Executed Assignment#page3.tif source=CIS-022C1 Executed Assignment#page4.tif source=CIS-022C1 Executed Assignment#page5.tif source=CIS-022C1 Executed Assignment#page6.tif source=CIS-022C1 Executed Assignment#page6.tif source=CIS-022C1 Executed Assignment#page7.tif source=CIS-022C1 Executed Assignment#page8.tif

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PATENT APPLICATION Assignment

For good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned, co-inventors:

KEN KITAMURA

MASATO TOITA

HIRONORI ISHII

YUTING WANG

LEO J. SCHOWALTER

JIANFENG CHEN

JAMES R. GRANDUSKY

Who have created a certain invention for which an application for United States Letters Patent entitled **PHOTON EXTRACTION FROM ULTRAVIOLET LIGHT-EMITTING DEVICES**, was filed at the U.S. Patent and Trademark Office on July 23, 2015 and assigned U.S. Patent Application Serial No. 14/806,761.

Do hereby sell, assign and transfer to **Crystal IS**, **Inc.** a corporation, having a place of business at 70 Cohoes Avenue, Green Island, NY 12183, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and 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, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possession and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, act, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that **Crystal IS, Inc.**, hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or

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legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, successors, assigns, or legal representatives; and

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same has herein expressed is possessed by the undersigned.

Assignor hereby grants the following individuals 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 United States Patent and Trademark Office for recordation of this document:

MORGAN, LEWIS & BOCKIUS LLP

Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

IN THE TESTIMONY WHEREOF we have hereunto set our signatures on the date indicated below.

^L A

7-24-2015	Masato Toita
Date:	MASATO TOITA
Witness:	
Date:	

Date: $\frac{1}{\sqrt{3}}$ $\frac{1}{\sqrt{3}}$

July 31, 2015 Yuting Wang Date: YUTING WANG

Witness: 4

7/31/2015 YUXIN LI

Date:

7/24/15 Date:	LEO J. SCHOWALTER
Witness:	
Date:	

Witness: Date:	

7 24 16	Open Grand
Date:	JAMES R. GRANDUSKY
Witness:	
Date:	

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RECORDED: 02/27/2019

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