## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Sang Wuk Lee	07/05/2012
Tae Won Kang	07/06/2012
Gennady Panin	07/06/2012
Hak Dong Cho	07/05/2012

## **RECEIVING PARTY DATA**

Name:	Dongguk University Industry-Academic Cooperation Foundation
Street Address:	26, Pil-dong 3-ga, Jung-gu
City:	Seoul
State/Country:	KOREA, REPUBLIC OF
Postal Code:	100-715

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	13518440

## **CORRESPONDENCE DATA**

**Fax Number**: 7044441111 **Phone**: 704-444-1000

Email: patent-mail@alston.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Trent A. Kirk

Address Line 1: 101 S. Tryon Street, Suite 4000

Address Line 2: Alston & Bird LLP

Address Line 4: Charlotte, NORTH CAROLINA 28280-4000

ATTORNEY DOCKET NUMBER:	054101/421542
NAME OF SUBMITTER:	Trent A. Kirk

PATENT

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Total Attachments: 5

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> PATENT REEL: 028872 FRAME: 0231

## Client Ref. No. PCT099-US

Attorney Docket No. <u>054101/421542</u>

# **ASSIGNMENT - WORLDWIDE**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

Dongguk University Industry-Academic Cooperation Foundation 26, Pil-dong 3-ga, Jung-gu Seoul 100-715 Republic of Korea

its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the invention in "LASER DIODE USING ZINC OXIDE NANORODS AND MANUFACTURING METHOD THEREOF" as set forth in this United States Patent Application

	executed concurrently herewith
	executed on
$\boxtimes$	Application No. <u>13/518,440</u> ; filed <u>June 22, 2012</u> .
$\boxtimes$	Application is a U.S. National Phase Application of International Application No.
	PCT/KR2010/006172, filed September 10, 2010, which claims priority to KR-10-2009-
	0130085, filed December 23, 2009.

said application for United States Letters Patent, including all divisional, renewal, substitute, continuation, nonprovisionals, continuation-in-parts, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

> PATENT REEL: 028872 FRAME: 0232

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

This Assignment is deemed to be effective at least as early as December 23, 2009 (the earliest priority date).

July. 5. 2012

Date

Sang@Wuk Lee

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

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July 6. 2012

Date

Tae Won Kang

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07-06.2012

Date

**Gennady Panin** 

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July, 5, 20/2

Hak Dong Cho

Page 5 of 5

Attorney Docket No. 054101/421542