#### 502156569 12/10/2012

## PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## CONVEYING PARTY DATA

Name	Execution Date
Ki Soo Chang	12/05/2012
Seon Young Ryu	12/05/2012
Sun Cheol Yang	12/05/2012
Geon Hee Kim	12/05/2012
Hae Young Choi	12/05/2012

## RECEIVING PARTY DATA

Name:	Korea Basic Science Institute
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City:	Daejeon
State/Country:	KOREA, REPUBLIC OF
Postal Code:	305-806

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13708329

#### CORRESPONDENCE DATA

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NAME OF SUBMITTER:	Dianna Vo

Total Attachments: 2

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> PATENT REEL: 029437 FRAME: 0939

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Intellectual Property Law

## DECLARATION AND ASSIGNMENT - U.S. RIGHTS ONLY

	Whereas, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") has	s/have
invented	d:	
	☐ The attached application to be filed as a United States application or PCT interna	tional
applicat	ion, or	
-	☐ United States application or PCT international application number13/708,329	filed
on D	ecember 7, 2012 ; and, entitled:	
OPTIO	CAL FIBER ARRAY PROBE IMAGING SYSTEM INTEGRATED WITH ENDOSCO	)PE
	Regarding that application, each of the INVENTOR(S) declares the following:	

- The above-identified application was made or authorized to be made by me.
- I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
- I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the INVENTOR(S) hereby assign, transfer, and set over to:

#### KOREA BASIC SCIENCE INSTITUTE

having the following address:

169-148, Gwahak-ro, Yuseong-gu, Daejeon 305-806, Republic of Korea

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest for the United States of America (including without limitation its territories and possessions) in and to the invention described in the patent application identified above (referred to herein as INVENTION), together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all United States Letters Patent which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

- 1. To sign and execute any further documents which may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
- 2. To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
- 3. To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY.

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# **OSHALIANG**

Intellectual Property Law

**RECORDED: 12/10/2012** 

The undersigned INVENTOR(S) each hereby grants to the firm of OSHA • LIANG 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 United States Patent and Trademark Office for the recordation of this document.

Date Print or Type Name:  Date Print or Type Name:  Date Print or Type Name:  Date Print or Type Name:  Notary Public  Print or Type Name:  Print or Type Name:  Print or Type Name:  CHO, Hae Young  This Assignment may be signed before either:  (a) a Notary Public for one of the States of the United States, or (b) two witnesses who sign below:  Print or Type Name:  This Assignment may be signed before either:  (a) a Notary Public for one of the States of the United States, or (b) two witnesses who sign below:  Print or Type Name:  CHO, Hae Young  This Assignment may be signed before either:  (a) a Notary Public for one of the States of the United States, or (b) two witnesses who sign below:  Dated:  Notary Public  My commission expires:	IN WITNESS WH	EREOF, this Assignment has been executed by each of the undersigned
Date Print or Type Name:  CHOI, Hae Young  This Assignment may be signed before either:  (a) a Notary Public for one of the States of the United States, or (b) two witnesses who sign below:  State of County of  Before me personally appeared:  Parents Print or Type Name:  Print or Type Name:  Print or Type Name:  Print or Type Name:  WAMG, Sun Cheol  CHOI, Hae Young  CHOI, Hae Young  This Assignment may be signed before either:  (a) a Notary Public for one of the States of the United States, or (b) two witnesses who sign below:  State of County of  Before me personally appeared:  Print or Type Name:  Notary Public My commission expires:  Date  Print or Type Name:  VOW A.K.		y such marvidual s signature.
Date Print or Type Name:  CHO, Hae Young  This Assignment may be signed before either:  (a) a Notary Public for one of the States of the United States, or (b) two witnesses who sign below:  State of County of  Before me personally appeared:  1' inventor  1' invento	555511041 5, 2012	1st Inventor Signature:
Date Print or Type Name: RYU, Seon Young  December 5, 2012  3rd Inventor Signature: YANG, Sun Sheel  December 5, 2012  4th Inventor Signature: KIM, Geon Hee  December 5, 2012  5th Inventor Signature: KIM, Geon Hee  December 5, 2012  5th Inventor Signature: CHOI, Hae Young  This Assignment may be signed before either: (a) a Notary Public for one of the States of the United States, or (b) two witnesses who sign below:  State of  County of  Before me personally appeared:  1th Inventor  1th	Date	Print or Type Name: CHANG, Ki Soo
Date Print or Type Name: YANG, Sun Cheel  Pecember 5, 2012   4th Inventor Signature: YANG, Sun Cheel  Print or Type Name: KIM, Geon Hee  Print or Type Name: KIM, Geon Hee  Print or Type Name: CHOI, Hac Young  This Assignment may be signed before either:  (a) a Notary Public for one of the States of the United States, or (b) two witnesses who sign below:  State of  County of  Before me personally appeared:  Print or Type Name: YOW A.K.	December 5, 2012	2 <sup>nd</sup> Inventor Signature:
Date Print or Type Name:    VANG, Sun Cheol	Date	Print or Type Name: RYU, Seon Young
Date Print or Type Name:  KIM, Geon Hee  CHOI, Hae Young  This Assignment may be signed before either:  (a) a Notary Public for one of the States of the United States, or (b) two witnesses who sign below:  State of  County of  Before me personally appeared:    '*Inventor   A**	December 5, 2012	2rd x
Date Print or Type Name:  Date Print or Type Name:    KIM, Geon Hee	Dota	
Date Print or Type Name:    KIM, Geon Hee		
Date    State of   County of		4" Inventor Signature:
Date  State of County of Before me personally appeared:  1 **Inventor*  2 **Inventor*  1 **Inventor*  1 **Inventor*  1 **Inventor*  2 **Inventor*  1 **Inventor*  2 **Inventor*  1 **Inventor*  2 **Inventor*  1 **Inventor*  2 **Inventor*  2 **Inventor*  1 **Inventor*  2 **Inventor*  2 **Inventor*  2 **Inventor*  2 **Inventor*  2 **Inventor*  3 **Inventor*  4 **Inventor*  4 **Inventor*  2 **Inventor*  4 **Inventor*  4 **Inventor*  2 **Inventor*  4 **Inventor*  4 **Inventor*  4 **Inventor*  2 **Inventor*  4 **Inven		Print or Type Name: KIM, Geon Hee
This Assignment may be signed before either:  (a) a Notary Public for one of the States of the United States, or (b) two witnesses who sign below:  State of  County of  Before me personally appeared:  1st Inventor  2st Inventor  4st Invento	December 5, 2012	5th Inventor Signature:
This Assignment may be signed before either:  (a) a Notary Public for one of the States of the United States, or (b) two witnesses who sign below:  State of  County of  Before me personally appeared:  1st Inventor  2st Inventor  4st Invento	Date	Print or Type Name: CHO, Hae Young
Notary Public My commission expires:    December 5, 20/2   Signature of Witness: YOUN ACKNOWN	State of	This Assignment may be signed before either; ne of the States of the United States, or (b) two witnesses who sign below:
Notary Public My commission expires:    December 5, 20/2   Signature of Witness: YOUN A.K.   Date   Print or Type Name: YOUN, Ac Kyoung	State of	This Assignment may be signed before either; ne of the States of the United States, or (b) two witnesses who sign below:
Notary Public My commission expires:    December 5, 20/2   Signature of Witness: YOUN A.K.   Date   Print or Type Name: YOUN, Ac Kyoung	State of	ne of the States of the United States, or (b) two witnesses who sign below:
Notary Public My commission expires:    December 5, 20/2   Signature of Witness: YOUN A.K.   Date   Print or Type Name: YOUN, Ac Kyoung	State of	ne of the States of the United States, or (b) two witnesses who sign below:
Notary Public My commission expires:    December 5, 2012   Signature of Witness: YOON A.K.   Date   Print or Type Name: YOON, Ac Kyoung	State of	1e of the States of the United States, or (b) two witnesses who sign below:  1 Inventor 2 Inventor  3 Inventor 4 Inventor
Date Print or Type Name: YOUN, Ac Kyoung  Ver 5, 2012 Signature of Witness:  Ver 5, 2012 Signature of Witness:	State of	14 Inventor 2rd Inventor 4 Inventor 4 Inventor 2rd Inventor 2rd Inventor 2rd Inventor 2rd Inventor 3rd Inventor 4 Inventor 3rd Inv
Date Print or Type Name: YON, Ac Kyoung  Ver 5 (70 17 Signature of Witness:	State of County of  Before me personally appeared:  each of whom acknowledged the forexecute this Assignment.	14 Inventor 2rd Inventor 4 Inventor 4 Inventor 2rd Inventor 2rd Inventor 2rd Inventor 2rd Inventor 3rd Inventor 4 Inventor 3rd Inv
Date Print or Type Name: YON, Ac Kyoung  Ver 5 (70 17 Signature of Witness:	State of County of  Before me personally appeared:  each of whom acknowledged the forexecute this Assignment.	14 Inventor 2rd Inventor 4 Inventor 4 Inventor 2rd Inventor 2rd Inventor 4 Inventor 2rd Inventor 2rd Inventor 4 Inventor
Date  Print or Type Name:  VON, Ac Kyoung  Signature of Witness:  Date  Print or Type Name:  DH Van Gar	State of County of Before me personally appeared: each of whom acknowledged the for execute this Assignment. Dated:	14 Inventor 2rd Inventor  15 Inventor  16 Inventor  17 Inventor  18 Inventor  18 Inventor  19 Inventor  19 Inventor  19 Inventor  10 Inventor  10 Inventor  10 Inventor  10 Inventor  11 Inventor  12 Inventor  13 Inventor  14 Inventor  15 Inventor  16 Inventor  17 Inventor  18 Inventor  18 Inventor  19 Inventor  19 Inventor  19 Inventor  10 Inventor  11 Inventor  12 Inventor  13 Inventor  14 Inventor  15 Inventor  16 Inventor  17 Inventor  18 Inventor  18 Inventor  18 Inventor  19 Inventor  19 Inventor  19 Inventor  10 In
Date Signature of Witness:  Date Print or Type Name:	State of County of Before me personally appeared: each of whom acknowledged the for execute this Assignment. Dated:	14 Inventor 2rd Inventor  15 Inventor  16 Inventor  17 Inventor  18 Inventor  18 Inventor  19 Inventor  19 Inventor  19 Inventor  10 Inventor  10 Inventor  10 Inventor  10 Inventor  11 Inventor  12 Inventor  13 Inventor  14 Inventor  15 Inventor  16 Inventor  17 Inventor  18 Inventor  18 Inventor  19 Inventor  19 Inventor  19 Inventor  10 Inventor  11 Inventor  12 Inventor  13 Inventor  14 Inventor  15 Inventor  16 Inventor  17 Inventor  18 Inventor  18 Inventor  18 Inventor  19 Inventor  19 Inventor  19 Inventor  10 In
Date Print or Type Name: DH V	State of County of Before me personally appeared: each of whom acknowledged the for execute this Assignment. Dated:	1st of the States of the United States, or (b) two witnesses who sign below:  1st Inventor  2st Inventor  3st Inventor  3st Inventor  As Inventor  Oregoing instrument to be a free act and deed and also represented that he/she is authorized to  Notary Public  My commission expires:  Signature of Witness:  YOON A.K.
	State of County of  Before me personally appeared:  each of whom acknowledged the forexecute this Assignment.  Dated:  December 5, 2012  Date	14 Inventor  14 Inventor  24 Inventor  34 Inventor  34 Inventor  A Notary Public  My commission expires:  Signature of Witness:  Print or Type Name:  Your Acknowled  Notary Public  Your Acknowled

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