

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SEONGMIN JU	11/03/2016
WON TAEK HAN	11/03/2016
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15347787
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NAME OF SUBMITTER:	YOON S. HAM
SIGNATURE:	/Yoon S. Ham/
DATE SIGNED:	11/10/2016
Total Attachments: 1	
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ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- | | |
|---------------------------------|-------------------------|
| 1) <u>JU, Seongmin</u> | 2) <u>HAN, Won Taek</u> |
| 3) _____ | 4) _____ |
| 5) _____ | 6) _____ |
| c) s but if continued on page 2 | |

who has made a certain new and useful invention, hereby sells, assigns and transfers unto SWANGJU INSTITUTE OF SCIENCE AND TECHNOLOGY, having a place of business at 123 Cheomdangwagi-ro, Buk-gu, Gwangju 500-712, Republic of Korea, its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled:

**OPTICAL FIBER HAVING A CLADDING LAYER DOPED WITH METAL NANO-PARTICLES,
CORELESS OPTICAL FIBER, AND METHOD FOR MANUFACTURING SAME**

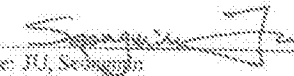
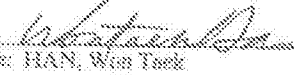
(a) for which an application for United States Letters Patent was filed on _____, and identified by United States Patent Application No. _____, or

(b) for which an application for United States Letters Patent was executed on _____

and the undersigned hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agrees to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention, and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the date indicated beside my signature:

1) <u></u> Name: <u>JU, Seongmin</u>	<u>November 3, 2016</u> Date
2) <u></u> Name: <u>HAN, Won Taek</u>	<u>November 3, 2016</u> Date
3) _____ Name: _____	_____ Date
4) _____ Name: _____	_____ Date
5) _____ Name: _____	_____ Date