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Attorney Docket No.: <u>5489P076CD</u>		
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Chang Hee LEE and Hyun Deok KIM	Name: Korea Advanced Institute of Science and	
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3. Nature of Conveyance	Street Address: 373-1, Kusong-dong, Yusong-gu	
Assignment Merger		
Security Agreement Change of Name	City: Taejon State/Provence: Zip: 305-701	
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Execution Date(s): <u>12.05.2000</u> and <u>12.05.2000</u>	Additional name(s) & address(es) attached?	
Application number(s) or patent number(s): If this document is being filed together with a new applicati A. Patent Application No.(s): 13/042,383 Additional numbers a	B. Patent No.(s):	
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved:	
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Name: Blakely, Sokoloff, Taylor & Zafman LLP	7. Total Fee (37 CFR 3.41)\$ <u>40.00</u>	
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Based on Form PTO-1595 as modified by BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP on 05/09/03

UTILITY - US ONLY - WITNESS

ASSIGNMENT

WHEREAS, I (we). LEE, CHAIG HEE / KIM, HYUN DEOK whose post office address(es) appears) below, hereinafter referred to as ASSIGNOR, is(are) the owner of certain new and useful improvements in A LOW-COST WDF. SOURCE WITH AN INCOHERENT LIGHT INJECTED FABRY-PEROT LASER DIODE

(hereinafter referred to as the b	(VENTION) for which an application for	or United States Letters Patent was
= executed on even date herew	nth	
x executed on: DECEMBER (D 5, 2008	
□ filed on:	Serial No.:	
= established by PCT Internation	• •	filed:
designating the United	States of America	

WHEREAS, KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY whose post office address is 373-1, KUSONG-DONG, YUSONG-GU, TAEJON 305-701, REPUBLIC OF KOREA hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the United States;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I (we), ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNOE in and to said INVENTION, all without further consideration.

ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE at the provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.

ALSO, ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR authorizes any member of the firm of Bacon & Thomas to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

Assignor Name LEE, CHANG HEE	Address 110-102, HAN WOOL APT., SHIN SUNG-DONG,
Where Signed TAEJON CITY	YU SONG-GU, TAEJON CITY, 305-345, REPUBLIC OF KOREA
December 05, 2000	ingracoure of the interest in
Witness (optional)	Winess (opacral)
Print/Type Name	Print/Epe Name
Signature	Signature

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JOINT ASSIGNMENT - WITNESS

ASSIGNMENT

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ALTRIGOR NAME KIM, HYUN DECK	Address 272, YU GOK-1RI, YU GA-MYUN,
Where Signed DAEGU CITY	DAL SUNG-GUN, DAEGU CITY, 711-880, REPUBLIC OF KOREA
DECEMBER 05, 2000	Signature ====================================
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RECORDED: 03/09/2011