## PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE	:	NEW ASSIGNMENT			
NATURE OF CONVEYANCE:			ASSIGNMENT		
CONVEYING PARTY	/ DATA				
Name Execution Date					
Stephen R. Forrest				02/16/2009	
Michael S. Arnold				03/26/2009	
Jeramy D. Zimmerm	an			02/16/2009	
RECEIVING PARTY	DATA				
Name: The Regents of the University of Michigan					
Street Address:	1214 S. Unive	1214 S. University Ave., 2nd Floor			
Internal Address:	Office of Tech	Office of Technology Transfer			
City:	Ann Arbor				
State/Country:	MICHIGAN				
Postal Code:	48104-2592	48104-2592			
Property Type Application Number: 123		12351378	Number		
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Address Line 4:	PRINCE	TON, NEW	/ JERSEY 08543-5203		
ATTORNEY DOCKET NUMBER:		Y34	422-00102		
NAME OF SUBMITTER:		Wa	Won Joon Kouh		
Total Attachments: 4		,			
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## PATENT REEL: 022548 FRAME: 0001

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#### ASSIGNMENT AND AGREEMENT

FOR VALUE RECEIVED, and to perfect the ownership of the Regents as established under Regents Bylaw 3.10 of the University of Michigan, We, Stephen R. Forrest, residing at 336 Rock Creek Court, Ann Arbor, Michigan 48104, Michael S. Arnold, residing at 3417 Ashburnam Road, Ann Arbor, Michigan 48105 and Jeramy D. Zimmerman, residing at 3276 Bolgos Circle, Ann Arbor, Michigan 48105, hereby sell, assign and transfer to The Regents of the University of Michigan, a not-for-profit organization duly organized and existing under the laws of the State of Michigan as assignee, and its successors, assigns and legal representatives, our entire right, title and interest for the United States of America and all countries in and to certain inventions relating to POLYMER WRAPPED CARBON NANOTUBE NEAR-INFRARED **PHOTOCOLTAIC DEVICES** that are described in the specification of a patent application having a Serial Number of 12/351,378 and a filing date of January 1, 2009, and all the rights and privileges under any United States Letters Patent and all foreign Letters Patent that may be granted therefor and any continuation, divisional, reexamination, reissue or prolongation thereof. We hereby grant permission for the attorney of record to insert the filing information into this agreement.

We request that any and all United States and foreign patents for the inventions be issued to the assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for the inventions in any and all countries, and for vesting title thereto in the assignee, its successors, assigns and legal representatives or nominees.

### PATENT REEL: 022548 FRAME: 0003

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We authorize and empower the assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for the inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

Signed:	Stephen R. Fo	forme	·	
Signed:	Michael S. Ar	mold		BR
Signed:	Jepamy D. Zin			
STATE OF		) ) ss.		

COUNTY OF

On this <u>16</u> day of <u>chrucy</u>, 20 <u>9</u> personally appeared before me, \_\_\_\_\_ STEPHEN R. FORREST, to me known to be the persong who executed the above instrument and acknowledged that he executed the same for the uses and purposes therein mentioned.

Notary Public My Commission Expires: June 8, 2013

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ALMEM. MCCOLM NOTARY PUBLIC, STATE OF M COUNTY OF WASHTENAW WY COMMISSION EXPIRES Jun 2, 2012 ACTING IN COUNTY OF PATENT REEL: 022548 FRAME: 0004

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We authorize and empower the assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for the inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

Signed	$\vee \vee \vee \times$	XX	
	Stophen & Earrest		*.
Signed:	Michael S. Arnold	$\langle \cdot \rangle$	
Sighed:	Jeramy D. Zihnmer	mán XXX	(
STATE OF	WESCONSIN	)	)
COUNTY O	F Dane	) ss. )	,

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On this <u>26</u> day of <u>Mach</u>, 20 <u>09</u>, personally appeared before me, <u>Michael</u> <u>Acnold</u>, to me known to be the persons who executed the above instrument and acknowledged that he executed the same for the uses and purposes therein mentioned.

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Notary Public My Commission Expires: 0 d 31, 2010

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#### PATENT REEL: 022548 FRAME: 0005

We authorize and empower the assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for the inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

Signed:		
	Stephen R. Forrest	
Signed:		
	Mighael S. Arnold	
Simol.		>
Signou. T	Jeramy D. Zimmer	man
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STATE OF	Section of a section of the section	<b>N</b>
STRUE OF	MITCHTRUM	) \$8.
COUNTY O	F LCHSHTERAW	5
	Signed:	Stephen R. Forrest Signed: Michael S. Arnold Signed: Jeramy D. Zimmer

On this  $\_\underline{W^{\mu}}$  day of <u>Febreury</u>, 20 <u>69</u>, personally appeared before me, <u>TRASA</u> <u>BAYENHARD</u>, to me known to be the person who executed the above instrument and acknowledged that he executed the same for the uses and purposes therein mentioned.

lus dolla Notary Public My Commission Expires:

rev990726

Trass Renes Suddand, Notary Public State of Michigan, County of Washtanaw My Commission Expires 3/29/2014 Acting in the County of JUNE

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## PATENT REEL: 022548 FRAME: 0006

# **RECORDED: 04/15/2009**