FORM PTO-1595 (Rev. 5-93) REC(

06-09-2000

101376785

HEET

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

Attorney Ref. No. 429981/009

To the Honorable Commissioner of Patents and Tradelland.	attached original documents or copy thereof.
1. Name of conveying party(ies):	2. Name and Address of receiving party(ies)
Seng-Tiong Ho	Name:
Additional name(s) of conveying party(ies) attached? Yes _X_ No	Northwestern University 633 Clark Street Evanston, Illinois 60208
3. Nature of conveyance:	
X Assignment Merger	Additional name(s) & address(es) attached?Yes _X No
Security Agreement Change of Name	
Other	
Execution Date: May 19, 2000	
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application, the	execution date of the application is: May 19, 2000
A. Patent Application No.(s)	B. Patent No.(s)
09.1574835	
Additional numbers attach	ned? Yes _X_ No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1
STROOCK & STROOCK & LAVAN LLP	7. Total fee (37 CFR 3.41)\$ <u>40.00</u>
180 Maiden Lane New York, New York 10038-4982	Enclosed
	X Any deficiency is authorized to be charged to Deposit Account No. 19-4709
	8. X Charge to Deposit Account No. 19-4709
	(Attach duplicate copy of this page if paying by deposit account)
5/08/2000 DHGUYEN 00000250 194709 09574835 DO NOT USE	THIS SPACE
L FC:581 40.00 CH	
9. Statement and signature. To the best of my knowledge and belief, the foregoing information the original document.	the true and correct and any attached copy is a true copy of
Steven B. Pokotilow, Reg. No. 26,405 Name of Person Signing Signature	May 19, 2000 Date Total number of pages including cover sheet, attachments, and document:3

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

7084913625 -> STROOCK 180 MAIDEN LANE;

MAY 19 '00 12:46PM NU TECH TRANSFER

05/17/2000 15:55 8478545590 02/17/00 17:43 FAX 305 857 0050

NANOVATION TECHNOLOGIES INC

E 100.

nt by: STOOCK & 180 MAIDEN LANE

212 906 6008:

05/17/00 1:03PM; Jules #434; Page 22/23

chest No. 1981/009 P:LAB:pit

ASSIGNMENT

WHEREAS, I Sens-Tions Mo. citizen of Singapore, residing at 120 Picerdy Lans. Wheeling, Illinois, 60090, bereinafter seferred to as ASSIONOR, have invented certain new and useful improvements in NANOPHOTONIC DIRECTIONAL COUPLER DEVICE for which I have executed and filed an application for Letters Patents of the United States on even date herewith:

WHERBAS, Northwestern University, a U.S. University, having its principal place of business at 633 Clark Street, Evanston, Illinois, 60208, hereinafter reformed to as ASSIGNEE is desirous of obtaining the entire right, title and interest in, to and under the improvements and the application.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1,00) to me in hand paid, and other good and vahiable consideration, the receipt of which is hereby acknowledged, I, the ASSIGNOR, have sold, useigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the ASSIGNEE, its respective successors, legal representatives and assigns, my entire right, title and interest in, to and under the improvements, and the application and all divisions, renewels, continuations and continuations-in-part thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Fatent which may hereafter be filed for the improvements in any country or countries foreign to the United States. and all Letters Patent which may be granted for the improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United Status whose duty it is so issue patents on applications as aforesaid, to is me all Letters Patent for the improvements to the ASSIGNEE, its successors. legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further coverant and agree that I will communicate to the ASSIGNEE, its (uccessors, legal representatives and assigns, any facts known to me respecting the improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and raissue applications, make all rightful naths and generally do

9796Mer1

PATENT

REEL: 010830 FRAME: 0824

cverything possible to mid the ASSIGNES, he successors, legal regressmentatives and assign obtain and enforce purper patent protection for the improvements in all countries. IN TESTIMONY WHEREOF, I have set my hand and send to this Assignment SENG-IJONG HO States of SENG-IJONG HO On this day of 2000 before me, a Notary Public in and for the and Country absentid, personally appeared SENG-IJONG HO, to be known and known to the person of that issue, who signed and scaled the foregoing insurappent, an acknowledged the same to be his free set and deed.	<u>3</u> =
obtain and enforce proper patent protection for the improvements in all countries. IN TESTIMONY WHEREOF, I have set my hand and seal to this Assignment G. Mary 1000 SENG-TIONG HO State of Country of On this day of 2000 before me, a Notary Public in and for the and Country aforestid, personally appeared SENG-TIONG HO, to be known and known to the the person of that theme, who signed and sealed the foregoing instrument, and	
obtain and enforce proper patent protection for the improvements in all countries. IN TESTIMONY WHEREOF, I have set my hand and seal to this Assignment G. Mary 1000 SENG-TIONG HO State of Country of On this day of, 2000 before ms, a Notary Public in and for the and Country aforestid, personally appeared SENG-TIONG HO, to be known and known to the the person of that mane, who signed and scaled the foregoing instrument, and	
obtain and enforce proper patent protection for the improvements in all countries. IN TESTIMONY WHEREOF, I have set my hand and seal to this Assignment of Many 1000 State of SENG-TIONO HO State of) as: Country of) On this day of, 2000 before ms, a Notary Public in and for the and Country aforestid, personally appeared SENG-TIONG HO, to be known and known to the the person of that mane, who signed and scaled the foregoing instrument, and	
State of Send-flows Ho State of County of On this day of, 2000 before me, a Notary Public in and for the and County aforestid, personally appeared SENG-TIONG HO, to be known and known to the the person of that mame, who signed and scaled the foregoing instrument, and	i, to
State of) State of) County of) On this day of, 2000 before me, a Notary Public in and for the and County afterestid, personally appeared SENG-TIONG HO, to be known and known to the the person of that name, who signed and scaled the foregoing instrument, and	•
State of State of	
County of On this day of 2000 before me, a Notary Public in and for the and County aforestid, personally appeared SENG-TIONG HO, to be known and known to the the person of that mame, who signed and scaled the foregoing instrument, and	
County of On this day of 2000 before me, a Notary Public in and for the and County aforestid, personally appeared SENG-T(ONG HO, to be known and known to the the person of that mame, who signed and scaled the foregoing instrument, and	
On this day of, 2000 before me, a Notary Public in and for the and County aforestid, personally appeared SENG-T(ONG HO, to be known and known to the the person of that mame, who signed and scaled the foregoing instrument, and	
and County aforestid, personally appeared SENG-TIONG HO, to be known and known to the the person of that mane, who signed and scaled the foregoing instrument, and	
and County aforestid, personally appeared SENG-TIONG HO, to be known and known to the the person of that mane, who signed and scaled the foregoing instrument, and	State
	ne to
	Y tre
796441 [

PATENT REEL: 010830 FRAME: 0825

RECORDED: 05/19/2000