FORM PTO-1595 OMB No. 0651-0011 (exp. 4/94) Client No.: H0004788 (1139.1138101)

1. Name of conveying Party(ies):

Jae-Hyun Ryou

To the Commissioner of Patents and Trademarks: Pleas

07-14-2003

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office



102495158 t. Name and address of receiving party(ies):

Honeywell International Inc. 101 Columbia Road



Michael D. Ringle	Morristown, New Jersey 07962	
Yue Liu		
Additional name(s) of conveying party(ies) attached? Yes No	Additional name(s) and address(es) attached? ☐ Yes ☒ No	
3. Nature of Conveyance:		
Assignment		
Security Agreement Change of Name		
Other:		
Execution Date: June 24, 2003, June 24, 2003, June 24, 2003		
4. Application number(s) or patent number(s):	anch	
4. Application number(s) or patent number(s). 10,68	7758	
•	tion, the execution date of the application is: June 27, 2003	
ir and document is being med together with a new apprica	non, the execution date of the application is. June 27, 2005	
A. Patent Application No.(s): N/A New Patent Application B. Patent No.(s):		
••		
	rs attached? Yes No	
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved: 1	
concerning document should be mailed:	7 7 46 (27 077 0 44) 040 00	
N A L A AL A	7. Total fee (37 CFR 3.41): \$40.00	
Name: Andrew A. Abeyta	Enclosed	
Address:	Authorized to be charged to deposit account	
Honeywell International Inc.	8. Please charge any additional fees or credit any overpayments to	
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Morristown, New Jersey 07962	our populational number. (10 1125)	
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To the best of my knowledge and belief, the foregoing info	ormation is true and correct and any attached copy is a true copy of the	
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> **PATENT** REEL: 014246 FRAME: 0837

ASSIGNMENT

WHEREAS, We, Jae-Hyun Ryou	, of 15302 - 67th Avenue N., Maple Grove
County of Hennepin	, and State of Minnesota
Michael D. Ringle	, of 5016 Boone Avenue N., New Hope
County of <u>Hennepin</u>	, and <u>State of Minnesota</u>
Yue Liu	, of 16925 - 21st Avenue N., Plymouth
County of Hennepin	, and State of Minnesota

have invented certain new and useful improvements in

My Commission Expires Jan. 31, 2005

VCSEL HAVING THERMAL MANAGEMENT

for which an application is about to be made for Letters Patent of the United States, said application having been executed on even date herewith; and

Whereas, Honeywell International Inc., a corporation organized and existing under the laws of the State of Delaware, and having its principal offices at Honeywell International Inc., 101 Columbia Road, Morristown, NJ 07962, is desirous of acquiring the entire right, title and interest in and to said invention, said application and in, to and under any and all Letters Patent to be obtained therefor;

Now, therefore, for good and valuable consideration to us paid by the said Honeywell International Inc., the receipt of which is hereby acknowledged, we have sold, assigned and transferred, and by these presents do hereby sell, assign and transfer unto the said Honeywell International Inc., its successors and assigns, our entire right, title and interest in and to said invention, said application and the Letters Patent, both foreign and domestic, that may or shall issue, including all of our rights under any and all international conventions, treaties and/or agreements concerning patents to which the United States is a party, and we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the above mentioned assignee in accordance herewith.

We further authorize said assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of said United States application and/or otherwise take advantage of the provisions of any international convention, treaty and/or agreement.

We do hereby covenant and agree with the said assignee, its successors and assigns, that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we or our executors or administrators will at any time upon request, without further or additional consideration, but at the expense of the said assignee, its successors and assigns, execute such additional writings and do such additional acts as said assignee, its successors and assigns, may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, or any of and all foreign countries on said invention, and in enforcing any rights, occurring as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

Date $00/24$, 2003	Shyon
,	Jae-Hyun Ryou
State of Minnesofa)	
County of Hennepin)ss.	
On this 24 May of June	, 2003, before me personally appeared <u>Jae-Hyun Ryou</u> to me
	ited the foregoing instrument and acknowledged that he executed the
same as his free act and deed.	Callle Six DuPont
COLLEEN SUE DUPONT	Notary Public, County Heanep, n

My Commission Expires ___

PATENT REEL: 014246 FRAME: 0838

Jan 31,2005

Date $6/24$, 2003	Muchael D. Ringle Michael D. Ringle
State of Minnesoka County of Honnepin On this 24 M day of June, 2003, known to be the person described in and who executed the fosame as his free act and deed. COLLEEN SUE DUPC'!! NOTARY PUBLIC MINNESOTA My Commission Expires Jan. 31, 2005	before me personally appeared Michael D. Ringle, to me regoing instrument and acknowledged that he executed the Calles Lee Defort Notary Public, County Henrepir State of Minnesses My Commission Expires Jan-31, 3005
Date	Yue Łiu
State of Minnes of Minnes of My Commission Expires Jan. 31, 2005	before me personally appeared Yue Liu, to me known to be ument and acknowledged that he executed the same as his Celler Luc School Notary Public, County Hen repire State of Minnesota My Commission Expires Jan 31, 2005