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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

Jin K. KIM

11.14.03

Additional name(s) of conveying party(ies)
attached?

☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

2. Name and address of receiving party(ies)

Name: HONEYWELL INTERNATIONAL INC.

Internal Address: _____

Street Address: _____

101 Columbia Road
PO Box 2245

City: MorristownState: New JerseyZip: 07962

Additional name(s) &
address(es) attached:

☐ Yes ☒ No

Execution Date: November 6, 2003

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the new application is:

11-6-2003

A. Patent Application No.(s):

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Andrew A. Abeyta
Honeywell International Inc.

Internal Address: Atty. Docket.: H0004299 US

Street Address:
101 Columbia Road
PO Box 2245

City:
Morristown

State: NJ
Zip: 07962

6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41) \$ 40.00

☐ Enclosed

☒ Authorized to be charged to deposit account

☐ Authorized to be charged to credit card
(Form 2038 enclosed)

8. Deposit account number:

01-1125

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Andrew A. Abeyta, Reg. No. 39,582

Name of Person Signing

Signature

11-12-03

Date

Total number of pages including cover sheet, attachments, and documents: 2

11/20/2003 BYRME 00000051 011125 10706906

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PATENT
REEL: 014707 FRAME: 0020

ASSIGNMENT

WHEREAS, I, Jin K. Kim of St. Louis Park, County of Hennepin, State of MN, have invented certain new and useful improvements **MODULATION DOPED TUNNEL JUNCTION**, for which an application is being made for Letters Patent of the United States, said application being executed on the 6th day of November, 2003.

Whereas, Honeywell International Inc., a corporation organized and existing under the laws of the State of Delaware, and having its principal offices at 101 Columbia Road, POB 2245, Morristown, New Jersey, U.S.A., 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.

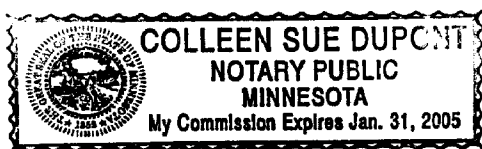
We do hereby covenant and agree with the said assignee, its successors and assigns, that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we or our executors or administrators will at any time upon request, without further or additional consideration, 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: Nov 6th, 2003

Jin K. KIM
Printed Name: [Signature]

County of Hennepin)
) ss.
State of Minnesota)

On this 6th day of November, 2003, before me personally appeared Jin K. Kim, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.



Colleen Sue Dupont
Notary Public, State of Minnesota
My Commission Expires: Jan. 31, 2005