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To the Honorable Commissioner of Patents

101114672

original documents or copy thereof.

1. Name of conveying party(ies):
 Yong Lu
 Theodore Zhu

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
 Name: Honeywell Inc.

Internal Address: Honeywell Plaza,
 MN12-8251

Street Address: P.O. Box 524

City: Minneapolis State: MN ZIP: 55440

Additional name(s) & address(es) attached? Yes No

09/30/99
 09365308
 U.S. PTO

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: _____

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: 07/27/99

A. Patent Application No.(s)
09365308

B. Patent No. (s)
7.30.99

Additional numbers attached? Yes No

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

Name: GREGORY A. BRUNS

Internal Address: Honeywell Inc.
 Honeywell Plaza,
 MN12-8251

Street Address: P.O. Box 524

City: Minneapolis State: MN ZIP: 55440

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$40.00

Enclosed
 Authorized to be charged to deposit account

8. Deposit account number:
 08-2727

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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.

Gregory A. Bruns
 Name of Person Signing

Gregory A Bruns
 Signature

07/30/99
 Date

Total number of pages comprising cover sheet: 1

ASSIGNMENT

WHEREAS, We, Yong Lu, of 10860 55th Avenue North, Plymouth,
County of Hennepin, and State of Minnesota,
Theodore Zhu, of 6257 Quantico Lane, Maple Grove,
County of Hennepin, and State of Minnesota,

have invented certain new and useful improvements in

METHOD AND APPARATUS FOR READING A MAGNETORESISTIVE MEMORY

-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

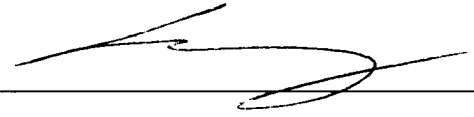
Whereas, Honeywell Inc., a corporation organized and existing under the laws of the State of Delaware, and having its principal offices at Honeywell Plaza, Minneapolis, Minnesota 55408 U.S.A. is desirous of acquiring the entire right, title and interest in and to said invention, said application and 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 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 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 7/27, 1998



Yong Lu

Date 7/27, 1999

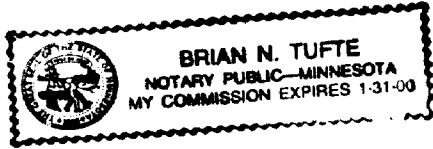


Theodore Zhu

Express Mail Label No. EL167001535US
B10-25598 US
07/30/99
Yong Lu et al
Gregory A. Bruns, Attorney

State of Minnesota)
)ss.
County of Hennepin)

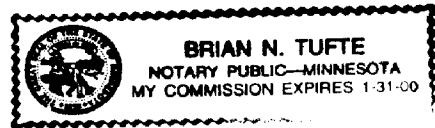
On this 27 day of July, 19 99, before me personally appeared Yong Lu to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.



[Signature]
Notary Public, County Hennepin
State of MINNESOTA
My Commission Expires 1-31-00

State of Minnesota)
)ss.
County of Hennepin)

On this 27th day of July, 19 99, before me personally appeared Theodore Zhu, 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.



[Signature]
Notary Public, County Hennepin
State of MINNESOTA
My Commission Expires 1-31-00