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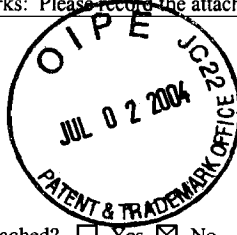
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To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying Party(ies):

Hongbin Ma
David B. Kittelson

7-2-04



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

University of Minnesota
450 McNamara Alumni Center
200 Oak St. SE
Minneapolis, Minnesota 55455

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

Additional name(s) and address(es) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

Execution Date: January 26, 2004, January 26, 2004

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:

A. Patent Application No.(s): 10/749,498

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

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

Name: Kris Fredrick
Address:

Honeywell International Inc.
101 Columbia Road
Morristown, New Jersey 07962

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. Please charge any additional fees or credit any overpayments to our Deposit account number: 50-0413

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John G. Shudy, Jr.
Name of Person Signing

John G. Shudy, Jr.
Signature

July 2, 2004
Date

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PATENT
REEL: 015549 FRAME: 0402

ASSIGNMENT

WHEREAS, We Hongbin Ma of 1687 N. Fry St., Apt. 12, Falcon Heights,
County of Ramsey, and State of Minnesota
David B. Kittelson of 4825 Queen Avenue S., Minneapolis,
County of Hennepin, and State of Minnesota
have invented certain new and useful improvements in

PARTICULATE MATTER SENSOR

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, Regents of the University of Minnesota, a constitutional corporation under the laws of the state of Minnesota, and having its principal offices at 450 McNamara Alumni Center, 200 Oak St SE, Minneapolis MN, 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 therefore;

Now, therefore, for good and valuable consideration to us paid by the said Regents of the University of Minnesota, 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 Regents of the University of Minnesota, 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 26 Jan. 2004

Hongbin Ma
Hongbin Ma

State of Minnesota)
County of Hennepin)ss.

On this 26th day of January, 2004, before me personally appeared Hongbin Ma, 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.



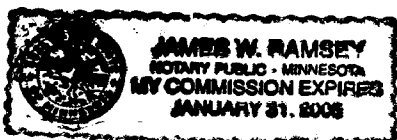
James W. Ramsey
Notary Public, County Hennepin
State of Minnesota
My Commission Expires 1/31/2005

Date 26 Jan. 2004

David B. Kittelson
David B. Kittelson

State of Minnesota)
County of Hennepin)ss.

On this 26th day of January, 2004, before me personally appeared David B. Kittelson, 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.



James W. Ramsey
Notary Public, County Hennepin
State of Minnesota
My Commission Expires 1/31/2005