

9/29/05

10-12-2005

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OMB No. 0651-0027 (exp. 6/30/2008)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office



103097973
PATENTS ONLY

113260 U.S. PTO
11/23/05



To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below

1. Name of conveying party(ies)

Gregory E. Stewart
Francesco Borrelli
Syed M. Shahed
Michael L. Rhodes
Soumitri N. Kolavennu
Gregory J. Hampson
Tariq Samad

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

2. Name and address of receiving party(ies)

Name: Honeywell International Inc.

Internal Address: _____

Street Address: 101 Columbia Road

City: Morristown

State: New Jersey

Country: US Zip: 07962

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) ^{9-20-05, 9-22-05, 8-13-05, 9-21-05, 8-18-05, 9-19-05,}
8-17-05

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Kris Fredrick

Internal Address: _____

Street Address: 101 Columbia Road

City: Morristown

State: New Jersey Zip: 07962

Phone Number: 763.954.5388

Fax Number: _____

Email Address: _____

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 50-0413

Authorized User Name Brian N. Tufte

9. Signature:

Signature

September 29, 2005
Date

Name of Person Signing

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

9

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

10/11/2005 ECOOPER 00000302 500413 11238192

01 FC:8021

40.00 DA

ASSIGNMENT

WHEREAS, We, Gregory E. Stewart, of 500 Brooksbank Avenue, North Vancouver, BC V7J3S4
Soumitri N. Kolavennu of 5760 East River Road, Minneapolis,
 County of Anoka, and State of Minnesota
Francesco Borrelli of 315 W. 15th Street, Minneapolis,
 County of Hennepin, and State of Minnesota
Gregory J. Hampson of 141 Ruckytucks Road, Stillwater,
 County of Saratoga, and State of New York
Syed M. Shahed of 30131 Cartier Dr., Rancho Palos Verdes,
 County of Los Angeles, and State of California
Tariq Samad of 5051 Garfield Avenue S., Minneapolis,
 County of Hennepin, and State of Minnesota
Michael L. Rhodes of 7526 - 5th Avenue S., Richfield,
 County of Hennepin, and State of Minnesota

have invented certain new and useful improvements in

USE OF SENSORS IN A STATE OBSERVER FOR A DIESEL ENGINE

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 101 Columbia Road, Morristown, N.J. 07962, 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 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 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 Sept 20 / 2005

Gregory E. Stewart
 Gregory E. Stewart

Date Sept. 20 / 2005.

Kerry Morgan
 Notary Public
 Attested to only
 No legal advice sought or given
 Document not prepared
 by Kerry Morgan, Notary Public

KERRY MORGAN
 Notary Public
 4109 - 120 West High Street
 York, Pennsylvania 17402-2111
 Tel: 717 333 2000

Date _____

Soumitri N. Kolavennu

State of _____)
)ss.
 County of _____)

On this _____ day of _____, 2005, before me personally appeared Soumitri N. Kolavennu, 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.

 Notary Public, County _____
 State of _____
 My Commission Expires _____

Date _____

Francesco Borrelli

State of _____)
)ss.
 County of _____)

On this _____ day of _____, 2005, before me personally appeared Francesco Borrelli, 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.

 Notary Public, County _____
 State of _____
 My Commission Expires _____

Date _____

Gregory E. Stewart

Date _____

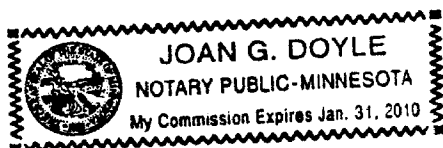
Notary Public

Date 09/22/2005

Soumitri N. Kolavennu
Soumitri N. Kolavennu

State of Minnesota)
County of Hennepin)ss.

On this 22nd day of September, 2005, before me personally appeared Soumitri N. Kolavennu, 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.



Joan G. Doyle
Notary Public, County Hennepin
State of Minnesota
My Commission Expires Jan 31, 2010

Date _____

Francesco Borrelli

State of _____)
County of _____)ss.

On this _____ day of _____, 2005, before me personally appeared Francesco Borrelli, 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.

Notary Public, County _____
State of _____
My Commission Expires _____

Date _____
Gregory E. Stewart

Date _____
Notary Public

Date _____
Soumitri N. Kolavennu

State of _____)
County of _____)ss

On this _____ day of _____, 2005, before me personally appeared Soumitri N. Kolavennu, 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.

Notary Public, County _____
State of _____
My Commission Expires _____

Date 8/13/2005
State of _____)
County of ITALY)ss

Francesco Borrelli
Francesco Borrelli

On this 13th day of AUGUST, 2005, before me personally appeared Francesco Borrelli, 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.

MARYAN B. MORANES
Notary Public, County _____
State of ITALY
My Commission Expires _____

X Maryan Moranes

Date 21st September 2005
State of New York)
County of Saratoga)ss.

Gregory J. Hampson
Gregory J. Hampson

On this 21st day of September, 2005, before me personally appeared Gregory J. Hampson, 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.

Meredith L. Rumpf
Notary Public, County Saratoga
State of New York
My Commission Expires April 14, 2007
MEREDITH L. RUMPF
NOTARY PUBLIC, State of New York
Qualified in Saratoga County
Reg. No. 01RU5076246
Commission Expires April 14, 2007

Date _____
State of _____)
County of _____)ss.

Syed M. Shahed

On this _____ day of _____, 2005, before me personally appeared Syde M. Shahed, 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.

Notary Public, County _____
State of _____
My Commission Expires _____

Date _____
State of _____)
County of _____)ss.

Tariq Samad

On this _____ day of _____, 2005, before me personally appeared Tariq Samad, 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.

Notary Public, County _____
State of _____
My Commission Expires _____

Date _____

Gregory J. Hampson

State of _____)

)ss.

County of _____)

On this _____ day of _____, 2005, before me personally appeared Gregory J. Hampson, 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.

Notary Public, County _____

State of _____

My Commission Expires _____

Date 18th Aug 2005

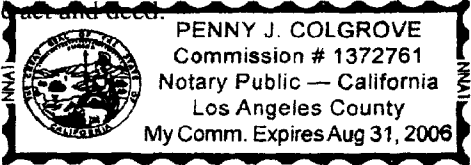
Syed M. Shahed

State of California)

Syed M. Shahed

County of Los Angeles)ss.

On this 18th day of AUGUST, 2005, before me personally appeared Syde M. Shahed, 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.



Penny J. Colgrove, Notary

Notary Public, County LOS ANGELES

State of CALIFORNIA

My Commission Expires 8/31/06

Date _____

Tariq Samad

State of _____)

)ss.

County of _____)

On this _____ day of _____, 2005, before me personally appeared Tariq Samad, 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.

Notary Public, County _____

State of _____

My Commission Expires _____

Date _____

Gregory J. Hampson

State of _____)
County of _____) ss.

On this _____ day of _____, 2005, before me personally appeared Gregory J. Hampson, 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.

Notary Public, County _____
State of _____
My Commission Expires _____

Date _____

Syed M. Shahed

State of _____)
County of _____) ss.

On this _____ day of _____, 2005, before me personally appeared Syde M. Shahed, 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.

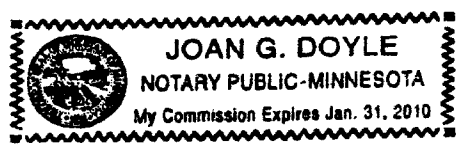
Notary Public, County _____
State of _____
My Commission Expires _____

Date Sept 19 2005

Tariq Samad
Tariq Samad

State of Minnesota)
County of Hennepin) ss.

On this 19th day of September, 2005, before me personally appeared Tariq Samad, 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.



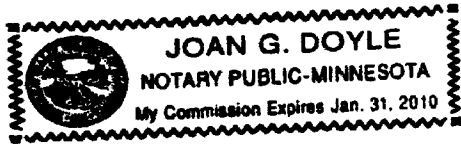
Joan G. Doyle
Notary Public, County Hennepin
State of Minnesota
My Commission Expires Jan 31, 2010

Date August 17, 2005

Michael L. Rhodes
Michael L. Rhodes

State of Minnesota)
County of Hennepin) ss.

On this 17th day of August, 2005, before me personally appeared Francesco Borrelli, 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.



Joan G. Doyle
Notary Public, County Hennepin
State of Minnesota
My Commission Expires Jan 31, 2010