

01-17-2001



To the  
Please record this 101585820

Identifying Trademarks:  
, or copy thereof.

12.22.00

1. Name of conveying party(ies):

Dipak J. Shah  
Chin-Hsiung Chang  
John D. Howard III  
Ronald P. Rohrbach  
Peter D. Unger  
Stephen F. Yates  
Brain C. Krafthefer  
Russell L. Johnson

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

Name: Honeywell International Inc.

Internal Address: \_\_\_\_\_

FILED  
12/22/00  
09/748624  
PTO

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

09748624

Street Address: 101 Columbia Road

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

City: Morristown State: NJ ZIP: 07962

Additional name(s) & addresses attached?  
 Yes  No

Execution Date: November 30 (Shah), December 8 (Chang), November 30 (Howard), December 1 (Rohrbach), 1 (Unger) and 11 (Yates), November 29 (Krafthefer), and December 8 (Johnson)

Yes  No

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:  
November 30 (Shah), December 8 (Chang), November 30 (Howard), December 1 (Rohrbach), 1 (Unger) and 11 (Yates), November 29 (Krafthefer), and December 8 (Johnson)

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: CROMPTON, SEAGER & TUFTE, LLC

Address: 331 Second Avenue South, Suite 895  
Minneapolis, MN 55401

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: 50-0413  
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.

Brian N. Tufte  
Name of Person Signing

[Signature]  
Signature

December 22, 2000  
Date

Total number of pages comprising cover sheet, attachments and document: 13

**ASSIGNMENT**

WHEREAS, We, Dipak J. Shah, of 7993 Lismore Circle, Eden Prairie,  
 County of Hennepin, and State of Minnesota,  
Craig H. Chang, of 511 Revere Lane, Palatine,  
 County of Cook, and State of Illinois,  
John D. Howard, III, of 503 Abbey Way, Mendota Heights,  
 County of Dakota, and State of Minnesota,  
Ronald P. Rohrbach, of 430 Cherryville Road, Flemington,  
 County of Hunterdon, and State of New Jersey,  
Peter D. Unger, of 36 Terry Drive, Morristown,  
 County of Morris, and State of New Jersey,  
Stephen F. Yates, of 1539 South Kennicott Drive, Arlington Heights,  
 County of Cook, and State of Illinois,  
Brian C. Krafthefer, of 1400 Norcrest Avenue North, Stillwater,  
 County of Washington, and State of Minnesota, and  
Russell L. Johnson, of 2150 Greenview Lane, New Brighton,  
 County of Ramsey, and State of Minnesota,

have invented certain new and useful improvements in

**METHOD AND APPARATUS FOR CONTROLLING AIR QUALITY**

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 November 30, 2000

Dipak J. Shah  
Dipak J. Shah

Date \_\_\_\_\_, 20\_\_

Craig H. Chang

Date November 30, 2000

John D. Howard, III  
John D. Howard, III

Date \_\_\_\_\_, 20\_\_

Ronald P. Rohrbach

Date \_\_\_\_\_, 20\_\_

Peter D. Unger

Date \_\_\_\_\_, 20\_\_

Stephen F. Yates

Date November 29, 2000

Brian C. Krafthefer  
Brian C. Krafthefer

Date \_\_\_\_\_, 20\_\_

Russell L. Johnson

State of Minnesota)  
County of Hennepin) ss.

On this 30 day of November, 2000, before me personally appeared Dipak J. Shah 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.



Sandra J. Truehart  
Notary Public, County Anoka  
State of Minnesota  
My Commission Expires 1-31-2005

State of \_\_\_\_\_) ss.  
County of \_\_\_\_\_)

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally appeared Craig H. Chang, 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 \_\_\_\_\_

State of Minnesota)  
County of Hennepin) ss.

On this 30 day of November, 2000, before me personally appeared John D. Howard, III 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.



Sandra J. Truehart  
Notary Public, County Anoka  
State of Minnesota  
My Commission Expires 1-31-2005

State of \_\_\_\_\_ )  
 )ss.  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally appeared Ronald P. Rohrbach 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 \_\_\_\_\_

State of \_\_\_\_\_ )  
 )ss.  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally appeared Peter D. Unger, 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 \_\_\_\_\_

State of \_\_\_\_\_ )  
 )ss.  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally appeared Stephen F. Yates 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 \_\_\_\_\_

State of Minnesota )  
 )ss.  
County of Hennepin )

On this 29 day of November, 2000, before me personally appeared Brian C. Krafthefer, 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.



Sandra J. Truehart  
Notary Public, County Anoka  
State of Minnesota  
My Commission Expires 1-31-2005

State of \_\_\_\_\_ )  
 )ss.  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally appeared Russell L. Johnson 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 \_\_\_\_\_

ASSIGNMENT

WHEREAS, We, Dipak J. Shah, of 7993 Lismore Circle, Eden Prairie,  
 County of Hennepin, and State of Minnesota,  
~~Craig H. Chang~~ <sup>CHIN-HSIUNG CHANG</sup>, of 511 Revere Lane, Palatine,  
 County of Cook, and State of Illinois,  
John D. Howard, III, of 503 Abbey Way, Mendota Heights,  
 County of Dakota, and State of Minnesota,  
Ronald P. Rohrbach, of 430 Cherryville Road, Flemington,  
 County of Hunterdon, and State of New Jersey,  
Peter D. Unger, of 36 Terry Drive, Morristown,  
 County of Morris, and State of New Jersey,  
Stephen F. Yates, of 1539 South Kennicott Drive, Arlington Heights,  
 County of Cook, and State of Illinois,  
Brian C. Krafthefer, of 1400 Norcrest Avenue North, Stillwater,  
 County of Washington, and State of Minnesota, and  
Russell L. Johnson, of 143 Quincy, Elmhurst,  
~~2150 Greenview Lane, New Brighton~~ <sup>NEW</sup>,  
 County of Ramsey, and State of Minnesota ~~Illinois~~

have invented certain new and useful improvements in

METHOD AND APPARATUS FOR CONTROLLING AIR QUALITY

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 \_\_\_\_\_, 20\_\_

Date 8th, December, 2000

Date \_\_\_\_\_, 20\_\_

Date \_\_\_\_\_, 20\_\_

Date \_\_\_\_\_, 20\_\_

Date Dec 11, 2000

Date \_\_\_\_\_, 20\_\_

Date Dec 8, 2000

State of ILLINOIS )  
County of COOK )ss.

On this 8th day of December, 2000, before me personally appeared Dipak J. Shah 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.



\_\_\_\_\_  
Dipak J. Shah

\_\_\_\_\_  
Craig H. Chang  
CHIN-HSIUNG

\_\_\_\_\_  
John D. Howard, III

\_\_\_\_\_  
Ronald P. Rohrbach

\_\_\_\_\_  
Peter D. Unger  
Stephen F. Yates

\_\_\_\_\_  
Brian C. Krafthefer  
Russell W. Johnson  
w. 109

Russell W. Johnson  
SMJ

\_\_\_\_\_  
Sharon M. Lambert  
Notary Public, County COOK  
State of ILLINOIS  
My Commission Expires 09/15/01

State of ILLINOIS )  
County of COOK )ss.

On this 8th day of December, 2000, before me personally appeared Craig H. Chang, 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.



\_\_\_\_\_  
Sharon M. Lambert  
Notary Public, County COOK  
State of ILLINOIS  
My Commission Expires 09/15/01

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally appeared John D. Howard, III 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 \_\_\_\_\_

State of \_\_\_\_\_ )  
 )ss.  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally appeared Ronald P. Rohrbach 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 \_\_\_\_\_

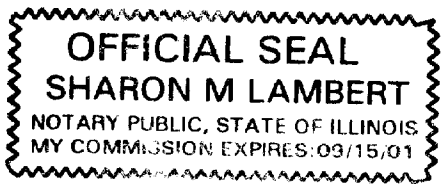
State of \_\_\_\_\_ )  
 )ss.  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally appeared Peter D. Unger, 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 \_\_\_\_\_

State of ILLINOIS )  
 )ss.  
County of COOK )

On this 11 day of December, 2000, before me personally appeared Stephen F. Yates 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.



Sharon M Lambert  
\_\_\_\_\_  
Notary Public, County COOK  
State of ILLINOIS  
My Commission Expires 09/15/01

State of \_\_\_\_\_ )  
 )ss.  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally appeared Brian C. Krafthefer, 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 \_\_\_\_\_



State of \_\_\_\_\_ )  
 )ss.  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally appeared Russell L. Johnson 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 \_\_\_\_\_

**ASSIGNMENT**

WHEREAS, We, Dipak J. Shah, of 7993 Lismore Circle, Eden Prairie,  
 County of Hennepin, and State of Minnesota,  
Craig H. Chang, of 511 Revere Lane, Palatine,  
 County of Cook, and State of Illinois,  
John D. Howard, III, of 503 Abbey Way, Mendota Heights,  
 County of Dakota, and State of Minnesota,  
Ronald P. Rohrbach, of 430 Cherryville Road, Flemington,  
 County of Hunterdon, and State of New Jersey,  
Peter D. Unger, of 36 Terry Drive, Morristown,  
 County of Morris, and State of New Jersey,  
Stephen F. Yates, of 1539 South Kennicott Drive, Arlington Heights,  
 County of Cook, and State of Illinois,  
Brian C. Krafthefer, of 1400 Norcrest Avenue North, Stillwater,  
 County of Washington, and State of Minnesota, and  
Russell L. Johnson, of 2150 Greenview Lane, New Brighton,  
 County of Ramsey, and State of Minnesota,

have invented certain new and useful improvements in

**METHOD AND APPARATUS FOR CONTROLLING AIR QUALITY**

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

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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 \_\_\_\_\_, 20\_\_

\_\_\_\_\_  
Dipak J. Shah

Date \_\_\_\_\_, 20\_\_

\_\_\_\_\_  
Craig H. Chang

Date \_\_\_\_\_, 20\_\_

\_\_\_\_\_  
John D. Howard, III

Date 12/1, 2000

\_\_\_\_\_  
Ronald P. Rohrbach

Date 12/1, 2000

\_\_\_\_\_  
Peter D. Unger

Date \_\_\_\_\_, 20\_\_

\_\_\_\_\_  
Stephen F. Yates

Date \_\_\_\_\_, 20\_\_

\_\_\_\_\_  
Brian C. Krafthefer

Date \_\_\_\_\_, 20\_\_

\_\_\_\_\_  
Russell L. Johnson

State of \_\_\_\_\_ )  
 )ss.  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally appeared Dipak J. Shah 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 \_\_\_\_\_

State of \_\_\_\_\_ )  
 )ss.  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally appeared Craig H. Chang, 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 \_\_\_\_\_

State of \_\_\_\_\_ )  
 )ss.  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally appeared John D. Howard, III 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 \_\_\_\_\_

State of \_\_\_\_\_ )  
 )ss.  
County of \_\_\_\_\_ )

On this 1 day of December, 2000, before me personally appeared Ronald P. Rohrbach 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.

*Lynn Jaffe*  
Notary Public, County Essex  
State of New Jersey  
My Commission Expires 8/30/2004

State of \_\_\_\_\_ )  
 )ss.  
County of \_\_\_\_\_ )

On this 1 day of December, 2000, before me personally appeared Peter D. Unger, 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.

*Lynn Jaffe*  
Notary Public, County Essex  
State of New Jersey  
My Commission Expires 8/30/2004

State of \_\_\_\_\_ )  
 )ss.  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally appeared Stephen F. Yates 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 \_\_\_\_\_

State of \_\_\_\_\_ )  
 )ss.  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally appeared Brian C. Krafthefer, 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 \_\_\_\_\_

State of \_\_\_\_\_ )  
 )ss.  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally appeared Russell L. Johnson 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 \_\_\_\_\_