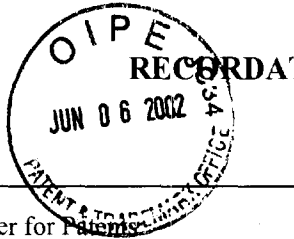


06-21-2002

DEPARTMENT OF COMMERCE  
Patent and Trademark Office



102130309

Attorney Docket No.: 051252-5222

To the Assistant Commissioner for Patents  
Please record the attached original documents or copy thereof.

ATTN: BOX ASSIGNMENT

1. Name of conveying party(ies):

Jack R. LORRAINE  
Andreas KAPPEL  
Enrico ULIVIERI  
Bernhard GOTTLIEB  
Bernhard FISCHER

6.6.02

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

☐ Yes ☒ No

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

Name: Siemens Automotive Corporation

Internal Address:

Street Address: 2400 Executive Hills Drive

City: Auburn Hills Drive

State: Michigan

Zip: 48326-2980

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

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: December 27, 2001; May 15, 2002  
and May 29, 2002

4. Application number(s) or patent number(s): 09/973,939

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

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: Mr. David W. Laub, Esq.

Internal Address: Customer No. 09629

Morgan, Lewis & Bockius LLP

Street Address: 1111 Pennsylvania Avenue, N.W.

City: Washington State: D.C. Zip: 20004

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. '3.41): \$40.00

☐ Enclosed

☒ Authorized to be charged to deposit account 50-0310

8. Deposit account number: 50-0310

Attach duplicate of page if paying by deposit account

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.

Khoi Ta

Reg. No. 47,300

Name of Person Signing

Signature

June 6, 2002

Date

06/20/2002 DBYRNE 00000191 500310 09973939

01 FC:581 40.00 CH

# WORLDWIDE ASSIGNMENT

Attorney Docket No. 051252-5222

WHEREAS, We, the below named inventors, hereinafter referred to as Assignor, have made an invention entitled:

## DUAL SPRING COMPENSATOR ASSEMBLY FOR A FUEL INJECTOR AND METHOD

for which We filed an application for United States Letters Patent; and

WHEREAS, Siemens Automotive Corporation, a corporation of Delaware, whose post office address is 2400 Executive Hills Drive, Auburn Hills, MI 48326-2980, U.S.A., hereinafter referred to as "Assignee", is desirous of securing the entire right, title, priorities and interest in and to this invention by local laws or treaty in all countries throughout the world, including any international convention for the protection of industrial or intellectual property, in and to any and all improvements which are disclosed in the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, Jack Lorraine, 718 Showers Street, Harrisburg, PENNSYLVANIA 17104, a citizen of U.S.A., Dr. Andreas Kappel, Zugspitzstrasse 7, 85649 Brunnthal, a citizen of GERMANY; Enrico Olivieri, Via Due Settembre, 39, 56122 Pisa, a citizen of ITALY; Bernhard Gottlieb, Elfenstr. 16, 81739 Munchen, a citizen of GERMANY; Bernhard Fischer, Paracelsus Str. 6, 84513 Toeging, a citizen of GERMANY; hereinafter called "Assignor", have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, this application, any priority application (foreign or domestic) of this application, and all divisions, improvements and continuations thereof, and all Letters Patent of the United States which have been or may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which have been or may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, Assignor HEREBY covenant that Assignor has the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, Assignor HEREBY further covenant and agree that Assignor will, without further consideration, communicate with assignee, its successors and assigns, any facts known to Assignor respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain, enforce and maintain proper patent protection for this invention or any improvements of this invention in the United States and any foreign country in Assignee.

AND, Assignor hereby authorize and request the attorneys Assignor has empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application S.N. 09/973,939, filed on October 11, 2001) the filing date and application number of said application when known.

# WORLDWIDE ASSIGNMENT (Continued)

Attorney Docket No. 051252-5222

IN TESTIMONY WHEREOF, We have hereunto set our hand.

**Jack LORRAINE**

Full Name of Sole or First Assignor

Jack R Lorraine  
First Assignor's Signature

12/27/01  
Date of Execution

)  
)  
)

Before me this 27th day of Dec, 2001, personally appeared **Jack LORRAINE** to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

[SEAL]

Constance Dickerson  
NOTARY PUBLIC

CONSTANCE DICKERSON  
NOTARY PUBLIC STATE OF MARYLAND  
My Commission Expires December 1, 2002

Names of additional Inventors attached? ☒ YES    ☐ NO

# WORLDWIDE ASSIGNMENT (Continued)

Attorney Docket No. 051252-5222

IN TESTIMONY WHEREOF, We have hereunto set my hand.

**Dr. Andreas KAPPEL**  
Full Name of Second Assignor

\_\_\_\_\_  
Second Assignor's Signature

\_\_\_\_\_  
Date of Execution

)  
)  
)

Before me this \_\_\_\_\_ day of \_\_\_\_\_, 200\_\_, personally appeared **Dr. Andreas KAPPEL** to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

[SEAL]

\_\_\_\_\_  
NOTARY PUBLIC

Names of additional Inventors attached? ☒ YES    ☐ NO

# WORLDWIDE ASSIGNMENT (Continued)

Attorney Docket No. 051252-5222

IN TESTIMONY WHEREOF, We have hereunto set my hand.

**Enrico ULIVIERI**  
Full Name of Third Assignor

\_\_\_\_\_  
Third Assignor's Signature

\_\_\_\_\_  
Date of Execution

)  
)  
)

Before me this \_\_\_\_\_ day of \_\_\_\_\_, 200\_\_, personally appeared **Enrico ULIVIERI** to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

[SEAL]

\_\_\_\_\_  
NOTARY PUBLIC

Names of additional Inventors attached? ☒ YES    ☐ NO

# WORLDWIDE ASSIGNMENT (Continued)

Attorney Docket No. 051252-5222

IN TESTIMONY WHEREOF, We have hereunto set my hand.

**Bernhard GOTTLIEB**  
Full Name of Fourth Assignor

\_\_\_\_\_  
Fourth Assignor's Signature

\_\_\_\_\_  
Date of Execution

)  
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)

Before me this \_\_\_\_\_ day of \_\_\_\_\_, 200\_\_, personally appeared **Bernhard GOTTLIEB** to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

[SEAL]

\_\_\_\_\_  
NOTARY PUBLIC

Names of additional Inventors attached? ☒ YES    ☐ NO

# WORLDWIDE ASSIGNMENT (Continued)

Attorney Docket No. 051252-5222

IN TESTIMONY WHEREOF, We have hereunto set my hand.

**Bernhard FISCHER**  
Full Name of Fifth Assignor

\_\_\_\_\_  
Fifth Assignor's Signature

\_\_\_\_\_  
Date of Execution

)  
)  
)

Before me this \_\_\_\_\_ day of \_\_\_\_\_, 200\_\_, personally appeared **Bernhard FISCHER** to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

[SEAL]

\_\_\_\_\_  
NOTARY PUBLIC

Names of additional Inventors attached? [ ] YES [X] NO

# WORLDWIDE ASSIGNMENT

Attorney Docket No. 051252-5222

WHEREAS, We, the below named inventors, hereinafter referred to as Assignor, have made an invention entitled:

## DUAL SPRING COMPENSATOR ASSEMBLY FOR A FUEL INJECTOR AND METHOD

for which We filed an application for United States Letters Patent; and

WHEREAS, Siemens VDO Automotive Corporation, a corporation of Delaware, whose post office address is 2400 Executive Hills Drive, Auburn Hills, MI 48326-2980, U.S.A., hereinafter referred to as "Assignee", is desirous of securing the entire right, title, priorities and interest in and to this invention by local laws or treaty in all countries throughout the world, including any international convention for the protection of industrial or intellectual property, in and to any and all improvements which are disclosed in the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, Jack Lorraine, 718 Showers Street, Harrisburg, PENNSYLVANIA 17104, a citizen of U.S.A., Dr. Andreas Kappel, Zugspitzstrasse 7, 85649 Brunnthal, a citizen of GERMANY; Enrico Olivieri, Via Due Settembre, 39, 56122 Pisa, a citizen of ITALY; Bernhard Gottlieb, Elfenstr. 16, 81739 Munchen, a citizen of GERMANY; Bernhard Fischer, Paracelsus Str. 6, 84513 Toeging, a citizen of GERMANY; hereinafter called "Assignor", have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, this application, any priority application (foreign or domestic) of this application, and all divisions, improvements and continuations thereof, and all Letters Patent of the United States which have been or may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which have been or may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, Assignor HEREBY covenant that Assignor has the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, Assignor HEREBY further covenant and agree that Assignor will, without further consideration, communicate with assignee, its successors and assigns, any facts known to Assignor respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain, enforce and maintain proper patent protection for this invention or any improvements of this invention in the United States and any foreign country in Assignee.

AND, Assignor hereby authorize and request the attorneys Assignor has empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application S.N. 09/973,939, filed on October 11, 2001) the filing date and application number of said application when known.

# WORLDWIDE ASSIGNMENT (Continued)

Attorney Docket No. 051252-5222

IN TESTIMONY WHEREOF, We have hereunto set our hand.

**Jack LORRAINE**

Full Name of Sole or First Assignor

\_\_\_\_\_  
First Assignor's Signature

\_\_\_\_\_  
Date of Execution

)  
)  
)

Before me this \_\_\_\_\_ day of \_\_\_\_\_, 200\_\_, personally appeared **Jack LORRAINE** to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

[SEAL]

\_\_\_\_\_  
NOTARY PUBLIC

Names of additional Inventors attached? ☒ YES    ☐ NO

# WORLDWIDE ASSIGNMENT (Continued)

Attorney Docket No. 051252-5222

IN TESTIMONY WHEREOF, We have hereunto set my hand.

**Dr. Andreas KAPPEL**  
Full Name of Second Assignor

  
Second Assignor's Signature

15.05.2002  
Date of Execution

Names of additional Inventors attached? ☒ YES    ☐ NO

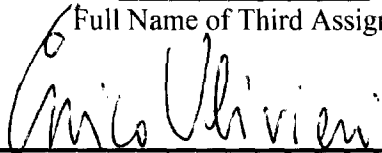
# WORLDWIDE ASSIGNMENT (Continued)

Attorney Docket No. 051252-5222

IN TESTIMONY WHEREOF, We have hereunto set my hand.

**Enrico ULIVIERI**

Full Name of Third Assignor



Third Assignor's Signature

29.05.2002

Date of Execution

Names of additional Inventors attached? ☒ YES ☐ NO

# WORLDWIDE ASSIGNMENT (Continued)

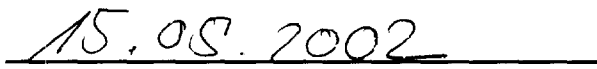
Attorney Docket No. 051252-5222

IN TESTIMONY WHEREOF, We have hereunto set my hand.

**Bernhard GOTTLIEB**

Full Name of Fourth Assignor

  
Fourth Assignor's Signature

  
Date of Execution

Names of additional Inventors attached? ☒ YES    ☐ NO

# WORLDWIDE ASSIGNMENT (Continued)

Attorney Docket No. 051252-5222

IN TESTIMONY WHEREOF, We have hereunto set my hand.

**Bernhard FISCHER**  
Full Name of Fifth Assignor

  
Fifth Assignor's Signature

15-05-02  
Date of Execution

Names of additional Inventors attached? ☐ YES ☒ NO