



FORM 1-1595
(Rev. 6-93)

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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

3R SHEET

Attorney Docket No.: 051252-5232-US

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

ATTN: BOX ASSIGNMENT

1. Name of conveying party(ies):

William A. PETERSON, Jr.

12/17/02

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

Yes No

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

Name: **Siemens VDO Automotive Corporation**

Internal Address:

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: November 20, 2002

Street Address: 2400 Executive Hills Drive
Auburn Hills, MI 48326-2980

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

Yes No

4. Application number(s) or patent number(s): 10/253,499

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: William S. Foster

Internal Address: Morgan, Lewis & Bockius LLP

Street Address: 1111 Pennsylvania Ave., 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

12/27/2002 DBYRNE 00000184 500310 10253499

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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.

William S. Foster
Reg. No. 51,695

W.S. Foster
Signature

17 Dec. 2002
Date

Customer No. 009629

Total number of pages including cover sheet, attachments and documents: 4

Revised 10/22/02

I-WA/1905771.1

PATENT
REEL: 013603 FRAME: 0929

WORLDWIDE ASSIGNMENT

Attorney Docket No. 051252-5232

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

Generally Circular Spray Pattern Control With Non-Angled Orifices In Fuel Injection Metering Disc And Method

for which I 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, I, **William A. Peterson, Jr., 213 Moonefield Drive, Smithfield, Virginia 23430**, a citizen of **U.S.A.**; hereinafter called "Assignor", has 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 I 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. **10/253,499** filed on **25 September 2002**) the filing date and application number of said application when known.

WORLDWIDE ASSIGNMENT (Continued)

Attorney Docket No. 051252-5232

IN TESTIMONY WHEREOF, I have hereunto set my hand.

William A. Peterson, Jr.
Full Name of Sole or First Assignor

William A. Peterson, Jr.
First Assignor's Signature

November 20, 2002
Date of Execution

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Before me this 20th day of November, 2002, personally appeared **William A. Peterson, Jr.**, 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]

Ethel Taylor Windley
NOTARY PUBLIC

Embossed Hereon Is My
Commonwealth of Virginia Notary Public Seal
My Commission Expires January 31, 2006
ETHEL TAYLOR WINDLEY

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