

01-05-2001

FORM PTO-1595  
(Rev. 6-93)U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

RECORD

101573575

PATENTS ONLY

12/18/00

Attorney Docket No.: 051252-5044

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

ATTN: BOX ASSIGNED

1. Name of conveying party(ies):  
Jack R. LORRAINE

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

Name: SIEMENS AUTOMOTIVE CORPORATION

Internal Address:

9/739562

Street Address: 2400 Executive Hills

City: Auburn Hills State: Michigan

Zip: 48326-2980

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

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

3. Nature of conveyance:

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

Execution Date(s): 12/6/00

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:  
12/18/00

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  
Internal Address: Morgan, Lewis & Bockius LLP  
Street Address: Intellectual Property Support Unit  
1800 M Street, N.W.  
City: Washington State: D.C. Zip: 20036

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 50-03108. 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.

David W. Laub  
Name of Person SigningDavid W. Laub Reg No 38708  
Signature15 Dec 2000  
Date

Total number of pages including cover sheet, attachments and documents: 3

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PATENT  
REEL: 011387 FRAME: 0861

## ASSIGNMENT

For good and valuable consideration, I, Jack R. LORRAINE of 113 Jones Road, Newport, News, Virginia 23601 a citizen of the United States of America; hereinafter called "Assignor", hereby sell, assign and transfer to:

Siemens Automotive Corporation, a corporation of the state of Delaware, United States of America, its successors, assigns and legal representatives, hereinafter "Assignee",

the entire worldwide right, title and interest, including the right for the Assignee to apply for Letters Patent with full benefit of such priorities as are now or may hereafter be granted to Assignor by local laws or by treaty, including any international convention for the protection of industrial property, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by Assignor and filed concurrently herewith with the United States Patent and Trademark Office, entitled:

### HPDI INJECTOR AND PACKAGING

and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed anywhere on any of said improvements; and in and to all original and reissued patents which have been or shall be issued anywhere on said improvements;

Agree that Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of Assignee to carry out in good faith the intent and purpose of this Assignment, Assignor will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to Assignee all facts known to Assignor relating to said improvements and the history thereof; and generally do everything possible which Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for

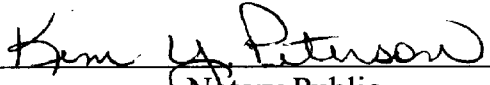
vesting title to said improvements and all applications for patents and all patents on said improvements in Assignee; and

Covenant with Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by Assignor, and that full right to convey the same as herein expressed is possessed by Assignor.

 (L.S.)  
Jack R. LORRAINE

Commonwealth of Virginia )  
 ) :ss  
 City of Newport News )

Before me this 6 day of December, 2000 personally appeared Jack R. 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.

  
Notary Public

[Seal]