



OFFICE

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MRD 10-26-98

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

1. Name of conveying party(ies):

BRIAN W. MULSHINE  
EDWARD H. HOWELL

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

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

Navistar International  
Transportation Corp.  
Law Offices-13  
455 N. Cityfront Plaza Drive  
Chicago, IL 60611-5594

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

3. Nature of conveyance:

- Assignment       Merger
- Security Agreement       Change of Name

Execution Date: September 22 and 28, 1998

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: \_\_\_\_\_

A. Patent Application No. (s)    09/164,610

B. Patent No. (s)

Additional numbers attached?  Yes  No

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

Dennis K. Sullivan  
Navistar International  
Transportation Corp.  
Law Offices - 13  
455 N. Cityfront Plaza Drive  
Chicago, IL 60611-5594

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41)    \$40.00

Enclosed

Authorized to be changed to deposit account

8. Deposit account number:

14-0603

(Attach duplicate copy of this 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.

Monique Tk. Chan  
Name of Person Signing

*Monique Chan*  
Signature

October 22, 1998  
Date

Total number of pages including cover sheet, attachments, and document [ 3 ]

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**JOINT ASSIGNMENT**

WHEREAS, (1) Brian W. Mulshine, and (2) Edward H. Howell

residing, respectively, at (1) 683 Chesnut Drive, Carol Stream, Illinois 60188; and (2) 27 W 364 Wallace Road, Wheaton, Illinois 60187

(hereinafter referred to as ASSIGNORS) have invented certain new and useful improvements in NAVISTAR Docket No. D-4797 entitled:

***Coolant Filter with Coolant Additive Sensor***

for which they are about to make application for Letters Patent in the United States, said application having a Declaration and Power of Attorney executed by ASSIGNORS respectively (1) on the 28 day of September, 1998; (2) on the 22 day of SEPTEMBER 1998;

or is identified subsequent to filing in the United States Patent and Trademark Office as Serial No. 09/164,610 filed October 1, 1998, and

WHEREAS, NAVISTAR INTERNATIONAL TRANSPORTATION CORP., a corporation existing under the laws of the State of Delaware, (hereinafter referred to as NAVISTAR) having its principal place of business at 455 North Cityfront Plaza Drive, Chicago, Illinois 60611, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention or inventions, and any Letters Patent granted hereon by the United States of America and any foreign country;

NOW THEREFORE, in consideration of the sum of One Dollar and other valuable consideration received by ASSIGNORS from NAVISTAR, the receipt of which is hereby acknowledged by ASSIGNORS, ASSIGNORS do hereby sell, assign, and transfer to NAVISTAR said invention or inventions, said application, divisional applications thereof, continuation applications thereof and any and all Letters Patent of the United States and any foreign country which may be granted therefor, and any reissue or reissues, or extension or extensions thereof, together with the right to file applications in, and to acquire Letters Patent in, all countries foreign to the United States in the name of NAVISTAR or as it may direct, and to claim for such foreign applications and Letters Patent the priority date of filing of the said International or United States application under the provisions of the Patent Cooperation Treaty, the International Convention for the Protection of Industrial Property or the European Patent Convention in the countries in which it applies.

ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or inventions or resulting from said application, or any division or divisions or continuations thereof to NAVISTAR as assignee of the entire interest.

ASSIGNORS hereby authorize NAVISTAR to insert the dates of execution of said application.

ASSIGNORS do hereby covenant that they have full right to convey the entire interest herein assigned, and that they have not executed and will not execute any agreement in conflict herewith.

ASSIGNORS further covenant that they will, at any time, upon request, execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention or inventions, or any Letters Patent that may be granted therefor in any country in NAVISTAR, and that if NAVISTAR desires to secure a division, reissue, reexamination, or renewal of any such Letters Patent, that a disclaimer relating thereto should be filed, or make application for a corresponding patent in any foreign country, that they will, upon request, sign all papers, make all rightful oaths, and do all lawful acts requisite for the application for such division, reissue, reexamination, or extension and the procuring thereof, or for the filing of such disclaimer or foreign patent application without further compensation, but at the expense of NAVISTAR.

ASSIGNORS do further covenant and agree that they will, at any time, upon request, communicate to NAVISTAR any facts relating to said invention or inventions and Letters Patent, or the history thereof known to them, and testify as to the same in interferences or other litigation when requested so to do.

This assignment shall inure to the benefit of NAVISTAR, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNORS, their heirs and legal representatives.

IN WITNESS WHEREOF, they have executed this instrument.

- (1) Brian W. Mulshine this 28 day of September, 1998
- (2) Edward H. Howell this 22 day of SEPTEMBER, 1998

State of Illinois )  
 )ss:  
 County of DuPage )

On this 28 day of September, 1998, before me personally came Brian W. Mulshine, to me personally known, and known to me to be the individual described in and who executed the foregoing assignment, and acknowledged to me that he executed the same of his own free will and for the purposes therein set forth.

Carol A. Gregule  
 Notary Public

State of Illinois )  
 )ss:  
 County of )

On this 22 day of September, 1998, before me personally came Edward H. Howell, to me personally known, and known to me to be the individual described in and who executed the foregoing assignment, and acknowledged to me that he executed the same of his own free will and for the purposes therein set forth.

B. Katherine Harden  
 Notary Public

