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102482379

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

1. Name of conveying party(ies):
Ion C. Halalay
Ellen Shirley E. Schwartz

6-18-03

2. Name and address of receiving party(ies)

Name: GENERAL MOTORS CORPORATION

Internal Address: Legal Staff - Intellectual Property

Mail Code 482-C23-B21

17612 U.S. P.T.O.
10/465478

06/18/03

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Street Address: P.O. Box 300

300 Renaissance Center

City: Detroit State: MI Zip: 48265

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

Execution Date: June 16, 2003

4. Application number(s) or patent number(s):

10465478

If this document is being filed together with a new application, the execution date of the application is: June 16, 2003

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Kathryn A. Marra

Internal Address: General Motors Corporation

Legal Staff

Mail Code 482-C23-B21

Street Address: P.O. Box 300

Renaissance Center

City: Detroit State: MI Zip: 48265-3000

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:

07-0960

(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.

Linda M. Deschere

Name of Person Signing

Signature

Date

June 19, 2003

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

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

06/25/2003 ECOOPER 00000111 070960 10465478

01 FC:8021 40.00 DA

ASSIGNMENT

Atty. Docket No. 8540R-000034
Client Ref. No. GP-302952

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

FLUID QUALITY TEST METHOD BASED ON IMPEDANCE

for which Assignor is about to make or has made United States or International application for patent

- (a) executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);
- (b) executed on _____, _____, _____; or
- (c) filed on _____, and assigned Serial No. _____ or PCT International Application No. _____, and

WHEREAS, General Motors Corporation, a Delaware Corporation, having a place of business at Detroit, Michigan, hereinafter referred to as Assignee, is desirous of acquiring an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor by these presents does sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the said invention as described in the aforesaid application, said application for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letter patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale or agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue said Letters Patent, Utility Model Registration or Inventor's Certificate to Assignee.

Assignor hereby authorizes and requests my attorney to insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known.

ASSIGNMENT

Ion Halalay
Ion C. Halalay

June 16, 2003
Dated

Ellen Shirley E. Schwarz
Ellen Shirley E. Schwarz

June 16, 2003
Dated