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6-JAN-04

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Enclosed for recording is Assignment documentation for the following patent application:

Serial No. 10/664287 filed September 17, 2003

Attorney Docket No. GP-302180

- (1) Assignor/Inventors: EDWARD D. TATE JR., MARK W. VERBRUGGE
BRIAN J. KOCH, DAMON R. FRISCH
- (2) Assignee: GENERAL MOTORS CORPORATION
DETROIT, MICHIGAN

(3) Assignment of patent application

- (4) Application number: 10/664287
If blank, this documentation is filed together with the patent application.

- (5) Address correspondence to: CHRISTOPHER DEVRIES
General Motors Corporation
Legal Staff
Mail Code 482-C23-B21
P.O. Box 300
Detroit, MI 48265-3000

- (6) Number of applications: 1
Total Fee: 40.00


- (7) Date documentation executed: August 7, 19 and 26, 2003

- (8) Not applicable

- (9) To the best of my knowledge and belief, the information contained on this cover sheet is true and correct and any copy submitted is a true copy of the original document.

Title: GENERALIZED ELECTROCHEMICAL CELL STATE AND PARAMETER ESTIMATOR

Please charge the \$40.00 assignment recording fee to GENERAL MOTORS CORPORATION Deposit Account No. 07-0960.


CHRISTOPHER DEVRIES
313/665-4969

Total number of pages including cover sheet, attachments and document: 2

Enclosures

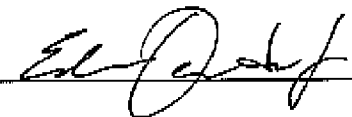
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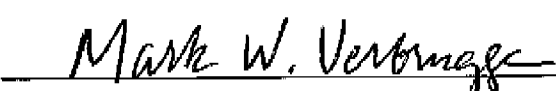
ASSIGNMENT


Pursuant to an agreement with my employer, I formally assign to GENERAL MOTORS CORPORATION, the entire right, title and interest, in all countries, in the improvements set forth in the United States patent application GP-302180 entitled


GENERALIZED ELECTROCHEMICAL CELL STATE AND PARAMETER ESTIMATOR

for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize attorney CHRISTOPHER DEVRIES to insert the application number and filing date of said application here in parentheses (10/664,287 filed September 17, 2003) when known.

Inventor's signature  Date 8/19/03
Full name : EDWARD D. TATE JR. Declaration dated :
Residence : GRAND BLANC, MICHIGAN 8/19/03

Inventor's signature  Date 8/7/03
Full name : MARK W. VERBRUGGE Declaration dated :
Residence : TROY, MICHIGAN 8/7/03

Inventor's signature  Date 8/26/03
Full name : BRIAN J. KOCH Declaration dated :
Residence : BERKLEY, MICHIGAN 8/26/03

Inventor's signature  Date 26 Aug 03
Full name : DAMON R. FRISCH Declaration dated :
Residence : TROY, MICHIGAN 26 AUG 03