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

Serial No. 10/664172 filed September 17, 2003

Attorney Docket No. GP-303093

(1) Assignor/Inventors: MICHAEL LIVSHIZ
SCOTT J. CHYNOWETH

(2) Assignee: GENERAL MOTORS CORPORATION
DETROIT, MICHIGAN

(3) Assignment of patent application

(4) Application number: 10/664172
If blank, this documentation is filed together with the patent application.

(5) Address correspondence to: CHRISTOPHER DEVRIES
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(6) Number of applications: 1
Total Fee: 40.00

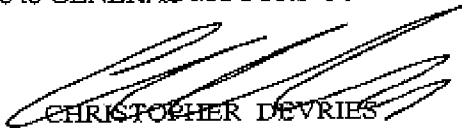
(7) Date documentation executed: August 8 and 12, 2003

(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: ENGINE TORQUE CONTROL WITH DESIRED STATE ESTIMATION

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

700059099

PATENT
REEL: 014233 FRAME: 0854

CH \$40.00 070960 10664172

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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-303093 entitled

ENGINE TORQUE CONTROL WITH DESIRED STATE ESTIMATION

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 (10/664,172 filed September 17, 2003) when known.

Inventor's signature Michael Livshitz Date 08/08/03

Full name : MICHAEL LIVSHIZ

Declaration dated :

Residence : ANN ARBOR, MICHIGAN

08/08/03

Inventor's signature Scott J. Chynoweth Date 8-12-03

Full name : SCOTT J. CHYNOWETH

Declaration dated :

Residence : FENTON, MICHIGAN

8-12-03