

**General Motors Corporation**  
**Legal Staff**  
**Mail Code 482-C23-B21**  
**P.O. Box 300**  
**Detroit, MI 48265-3000**

21-DEC-04

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

Serial No. 10/965674 filed October 14, 2004

Attorney Docket No. GP-304209

(1) Assignor/Inventors: WILLIAM R. CAWTHORNE, ANTHONY H. HEAP,  
GREGORY A. HUBBARD

(2) Assignee: GENERAL MOTORS CORPORATION  
DETROIT, MICHIGAN

(3) Assignment of patent application

(4) Application number: 10/965,674  
If blank, this documentation is filed together with the patent application.

(5) Address correspondence to: LESLIE C. HODGES  
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: November 1 and 9, 2004

(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: OPTIMAL SELECTION OF INPUT TORQUE CONSIDERING BATTERY UTILIZATION FOR  
A HYBRID ELECTRIC VEHICLE

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

*Patrice Uchno Leland*  
PATRICE UCHNO LELAND  
313/665-4702

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

Enclosures

700140219

**PATENT**  
**REEL: 015482 FRAME: 0738**

CH \$40.00 070960 10965674

GP-304209, Page 1

**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-304209 entitled

**OPTIMAL SELECTION OF INPUT TORQUE CONSIDERING  
BATTERY UTILIZATION FOR A HYBRID ELECTRIC VEHICLE**

for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize attorney LESLIE C. HODGES to insert the application number and filing date of said application here in parentheses ( 10/965,674 filed October 14, 2004 ) when known.

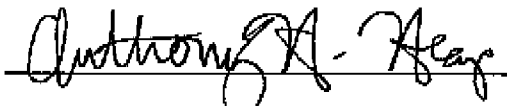
Inventor's signature  Date 11/9/2004

Full name : WILLIAM R. CAWTHORNE

Declaration dated :

Residence : MILFORD, MICHIGAN

11/9/2004

Inventor's signature 

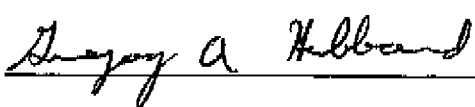
Date 2004/11/01

Full name : ANTHONY H. HEAP

Declaration dated :

Residence : ANN ARBOR, MICHIGAN

2004/11/01

Inventor's signature 

Date 11/1/2004

Full name : GREGORY A. HUBBARD

Declaration dated :

Residence : BRIGHTON, MICHIGAN

11/1/2004