

08-20-2001  
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General Motors Corporation  
Legal Staff  
Mail Code 482-C23-B21  
P.O. Box 300  
Detroit, MI 48265-3000

J1040 U.S. PTO  
09/921438  
08/03/01

31-JUL-01

Box Assignments  
Commissioner for Patents  
Washington, D.C. 20231

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

Attorney Docket No. GP-301110

*08/13/01*

(1) Assignor/Inventors: TIMOTHY L. MINICH  
DAVID STEWART MATHEWS

(2) Assignee: GENERAL MOTORS CORPORATION  
DETROIT, MICHIGAN

(3) Assignment of patent application

(4) Application number: *09/921438*  
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: July 20, 2001

(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: ENCODED CRANK POSITION SENSOR

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

*[Signature]*  
CHRISTOPHER DEVRIES  
313/665-4969

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

Enclosures

( 208/17/2001 LMUELLER 00000110 070960 09921438 )  
01 FC:581 40.00 CH

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-301110 entitled

ENCODED CRANK POSITION SENSOR

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 ( \_\_\_\_\_ filed \_\_\_\_\_ ) when known.

Inventor's signature Timothy L. Minich Date 7/20/2001

Full name: TIMOTHY L. MINICH Declaration dated :

Residence: SOUTH LYON, MI 7/20/2001

Inventor's signature David Stewart Mathews Date 7/20/2001

Full name: DAVID STEWART MATHEWS Declaration dated :

Residence: HOWELL, MI 7/20/2001

On this 20<sup>th</sup> day of July, 2001, before me personally appeared TIMOTHY L. MINICH, known to me to be the person who executed the foregoing instrument, and acknowledged that he/she executed the same.

Stephen R. Kornblum  
Notary Public

(SEAL) My commission expires:  
County of Authorization:

**STEPHEN R. KORNBLUM**  
Notary Public, Oakland County, MI  
My Commission Expires Apr. 4, 2003

On this 20<sup>th</sup> day of July, 2001, before me personally appeared DAVID STEWART MATHEWS, known to me to be the person who executed the foregoing instrument, and acknowledged that he/she executed the same.

Stephen R. Kornblum  
Notary Public

(SEAL) My commission expires:  
County of Authorization:

**STEPHEN R. KORNBLUM**  
Notary Public, Oakland County, MI  
My Commission Expires Apr. 4, 2003