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January 21, 2005

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

Serial No. 10/984011 filed November 05, 2004

Attorney Docket No. GP-304295

(1) Assignor/Inventors: ALAN L. BROWNE
NANCY L. JOHNSON
TADGE J. JUECHTER
EDWARD D. MOSS
JAN H. AASE
THOMAS H. FROLING
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BAHRAM KHALIGHI
CONSTANTINOS A. KOROMILAS
HARLAN W. CHARLES
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WILLIAM BARVOSA-CARTER
LESLIE A. MOMODA
FRANZ K. SCHENKEL
LAWRENCE E. PERUSKI
JEFFREY M. PLEUNE

(2) Assignee: GENERAL MOTORS CORPORATION
Detroit, Michigan

(3) Assignment of patent application

(4) Application number: 10/984011
If blank, this documentation is filed together with the patent application.

(5) Address correspondence to: KATHRYN A MARRA
General Motors Corporation
Legal Staff
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P.O. Box 300
Detroit, MI 48265-3000

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

(7) Date documentation executed: Nov 8, 9, 10, 11, 12, 16, 23, 24, 2004; Dec 13, 2004; Jan 12, 2005

(8) Not applicable

CH \$40.00 070960 10984011

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(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: CONTROL LOGIC FOR FLUID FLOW CONTROL DEVICES

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

Eleanor J. Halik
Eleanor J. Halik
313/665-4712

Total number of pages including cover sheet, attachments and document: 14

Enclosures

GP-304295, 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-304295 entitled

CONTROL LOGIC FOR FLUID FLOW CONTROL DEVICES

for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize attorney KATHRYN A MARRA to insert the application number and filing date of said application here in parentheses (10/984011 filed Nov 5, 2004) when known.

Inventor's signature Alan L. Browne Date 11/9/04

Full name : ALAN L. BROWNE

Declaration dated :

Residence : GROSSE POINTE, MICHIGAN

11/9/04

Inventor's signature Nancy L. Johnson Date 11/9/04

Full name : NANCY L. JOHNSON

Declaration dated :

Residence : NORTHVILLE, MICHIGAN

11/9/04

Inventor's signature _____ Date _____

Full name : TADGE J. JUECHTER

Declaration dated :

Residence : TROY, MICHIGAN

Inventor's signature _____ Date _____

Full name : EDWARD D. MOSS

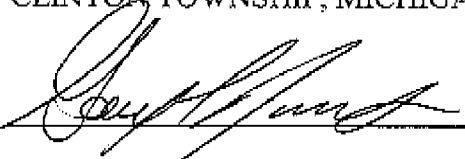
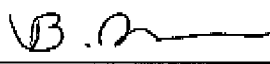
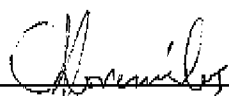
Declaration dated :

Residence : COMMERCE TWP., MICHIGAN

Inventor's signature J. H. Oare Date 11/12/2004

PATENT**REEL: 015611 FRAME: 0526**

GP-304295, Page 2

Full name :	JAN H. AASE	Declaration dated :
Residence :	OAKLAND TOWNSHIP, MICHIGAN	<u>11/12/2004</u>
Inventor's signature	_____	Date _____
Full name :	THOMAS H. FROLING	Declaration dated :
Residence :	CLINTON TOWNSHIP, MICHIGAN	_____
Inventor's signature	<u></u>	Date <u>11/10/04</u>
Full name :	GARY L. JONES	Declaration dated :
Residence :	FARMINGTON HILLS, MICHIGAN	<u>11/10/04</u>
Inventor's signature	<u></u>	Date <u>11/9/04</u>
Full name :	BAHRAM KHALIGHI	Declaration dated :
Residence :	TROY, MICHIGAN	<u>11/9/04</u>
Inventor's signature	<u></u>	Date <u>11/9/04</u>
Full name :	CONSTANTINOS A. KOROMILAS	Declaration dated :
Residence :	STERLING HEIGHTS, MICHIGAN	<u>11/9/04</u>
Inventor's signature	_____	Date _____
Full name :	HARLAN W. CHARLES	Declaration dated :
Residence :	HARPER WOODS, MICHIGAN	_____
Inventor's signature	_____	Date _____
Full name :	GEOFFREY P. MC KNIGHT	Declaration dated :
Residence :	LOS ANGELES, CALIFORNIA	_____

GP-304295, Page 3

Inventor's signature _____ Date _____

Full name : WILLIAM BARVOSA-CARTER

Declaration dated : _____

Residence : VENTURA, CALIFORNIA _____

Inventor's signature _____ Date _____

Full name : LESLIE A. MOMODA

Declaration dated : _____

Residence : LOS ANGELES, CALIFORNIA _____

Inventor's signature _____ Date _____

Full name : FRANZ K. SCHENKEL

Declaration dated : _____

Residence : ROCHESTER, MICHIGAN _____

Inventor's signature Lawrence E. Peruski Date 11/11/04

Full name : LAWRENCE E. PERUSKI

Declaration dated : _____

Residence : CANTON, MICHIGAN 11/11/04

Inventor's signature _____ Date _____

Full name : JEFFREY M. PLEUNE

Declaration dated : _____

Residence : ROCHESTER HILLS, MICHIGAN _____

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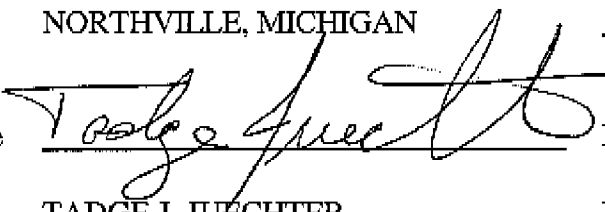
Full name : ALAN L. BROWNE Declaration dated :

Residence : GROSSE POINTE, MICHIGAN _____

Inventor's signature _____ Date _____

Full name : NANCY L. JOHNSON Declaration dated :

Residence : NORTHVILLE, MICHIGAN _____

Inventor's signature  Date 11-24-04

Full name : TADGE J. JUECHTER Declaration dated :

Residence : TROY, MICHIGAN _____

Inventor's signature _____ Date _____

Full name : EDWARD D. MOSS Declaration dated :

Residence : COMMERCE TWP., MICHIGAN _____

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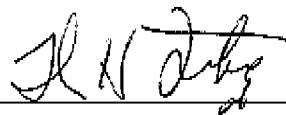
GP-304295, Page 2

Full name : JAN H. AASE

Declaration dated :

Residence : OAKLAND TOWNSHIP, MICHIGAN

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Date 16 NOV 04

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Full name : BAHRAM KHALIGHI

Declaration dated :

Residence : TROY, MICHIGAN

Inventor's signature

Date

Full name : CONSTANTINOS A. KOROMILAS

Declaration dated :

Residence : STERLING HEIGHTS, MICHIGAN

Inventor's signature

Date

Full name : HARLAN W. CHARLES

Declaration dated :

Residence : HARPER WOODS, MICHIGAN

Inventor's signature

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Full name : GEOFFREY P. MC KNIGHT

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Residence : ROCHESTER, MICHIGAN _____

Inventor's signature _____ Date _____

Full name : LAWRENCE E. PERUSKI

Declaration dated : _____

Residence : CANTON, MICHIGAN _____

Inventor's signature Jeffrey M. Pleune Date NOV. 23, 2004

Full name : JEFFREY M. PLEUNE

Declaration dated : _____

Residence : ROCHESTER HILLS, MICHIGAN

NOV. 23, 2004

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Full name : TADGE J. JUECHTER Declaration dated : _____

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Inventor's signature Edward D Moss Date 12/13/04

Full name : EDWARD D. MOSS Declaration dated : _____

Residence : COMMERCE TWP., MICHIGAN 12/13/04

Inventor's signature _____ Date _____

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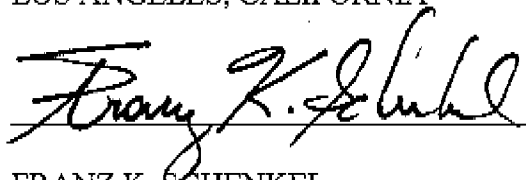
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Inventor's signature



Date 11/9/04

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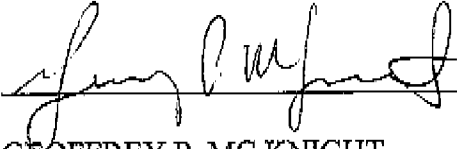
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Inventor's signature _____ Date _____

Full name : HARLAN W. CHARLES Declaration dated :

Residence : HARPER WOODS, MICHIGAN _____

Inventor's signature  _____ Date 11/8/2014

Full name : GEOFFREY P. MC KNIGHT Declaration dated :

Residence : LOS ANGELES, CALIFORNIA 11/8/2014

GP-304295, Page 3

Inventor's signature William Barvosa-Carter Date 11/8/04

Full name : WILLIAM BARVOSA-CARTER

Declaration dated :

Residence : VENTURA, CALIFORNIA

11/8/04

Inventor's signature Leslie A. Momoda Date 11/9/04

Full name : LESLIE A. MOMODA

Declaration dated :

Residence : LOS ANGELES, CALIFORNIA

11/9/04

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Full name : LAWRENCE E. PERUSKI

Declaration dated :

Residence : CANTON, MICHIGAN

Inventor's signature _____ Date _____

Full name : JEFFREY M. PLEUNE

Declaration dated :

Residence : ROCHESTER HILLS, MICHIGAN
