

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Paul W. Alexander	04/08/2009
Diann Brei	04/08/2009
Jonathan E. Luntz	04/09/2009
Monica C. Toma	04/08/2009
Alan L. Browne	04/14/2009
Nancy L. Johnson	04/08/2009

**RECEIVING PARTY DATA**

<b>Name:</b>	GM GLOBAL TECHNOLOGY OPERATIONS, INC.
<b>Street Address:</b>	300 Renaissance Center
<b>City:</b>	Detroit
<b>State/Country:</b>	MICHIGAN
<b>Postal Code:</b>	48265-3000

<b>Name:</b>	THE REGENTS OF THE UNIVERSITY OF MICHIGAN
<b>Street Address:</b>	1214 S. University Ave.
<b>Internal Address:</b>	2nd Floor
<b>City:</b>	Ann Arbor
<b>State/Country:</b>	MICHIGAN
<b>Postal Code:</b>	48104-2592

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	12420144

**CORRESPONDENCE DATA**

Fax Number: (913)217-7658

*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

OP \$40.00 12420144

**500835737**

**PATENT**  
**REEL: 022550 FRAME: 0151**

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Email: wjj@jacoblbc.com  
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Address Line 4: Kansas City, MISSOURI 64106

ATTORNEY DOCKET NUMBER:	P004976-RD-MJL
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NAME OF SUBMITTER:	William J. Jacob
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Total Attachments: 6  
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Customer No. 76598  
P004976-RD-MJL, Page 1

## ASSIGNMENT

Pursuant to an agreement with my employer, I formally assign to GM GLOBAL TECHNOLOGY OPERATIONS, INC., and THE REGENTS OF THE UNIVERSITY OF MICHIGAN, the entire right, title and interest, in all countries and application types, in the improvements set forth in the United States patent application P004976-RD-MJL entitled

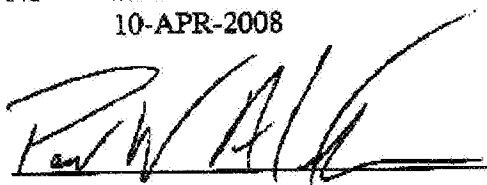
## ACTIVE SEAL ARCHITECTURES

for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize attorney MYRON J. LLOYD and WILLIAM J. JACOB to insert the application number and filing date of said application here in parentheses ( ) filed when known.

If the patent application has been filed provisionally, the application number and filing date of said provisional application(s) assigned herein are as follows:

US Provisional Serial No      Filed  
61/043912                      10-APR-2008

Inventor's signature

Date 04-08-2009

Full name :

PAUL W. ALEXANDER

Declaration dated :

Residence :

YPSILANTI, MICHIGAN

04-08-2009

Inventor's signature

\_\_\_\_\_

Date \_\_\_\_\_

Full name :

DIANN BREI

Declaration dated :

Residence :

MILFORD, MICHIGAN

\_\_\_\_\_

Inventor's signature

\_\_\_\_\_

Date \_\_\_\_\_

Full name :

JONATHAN E. LUNTZ

Declaration dated :

Residence :

ANN ARBOR, MICHIGAN

\_\_\_\_\_

Inventor's signature

\_\_\_\_\_

Date \_\_\_\_\_

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US Provisional Serial No	Filed
61/043912	10-APR-2008

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Full name : PAUL W. ALEXANDER Declaration dated :

Residence : YPSILANTI, MICHIGAN \_\_\_\_\_

Inventor's signature Diann Brei Date April 08, 2009

Full name : DIANN BREI Declaration dated :

Residence : MILFORD, MICHIGAN April 08, 2009

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Full name : JONATHAN E. LUNTZ Declaration dated :

Residence : ANN ARBOR, MICHIGAN \_\_\_\_\_

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

### ASSIGNMENT

Pursuant to an agreement with my employer, I formally assign to GM GLOBAL TECHNOLOGY OPERATIONS, INC., and THE REGENTS OF THE UNIVERSITY OF MICHIGAN, the entire right, title and interest, in all countries and application types, in the improvements set forth in the United States patent application P004976-RD-MJL entitled

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US Provisional Serial No	Filed
61/043912	10-APR-2008

Inventor's signature	_____	Date	_____
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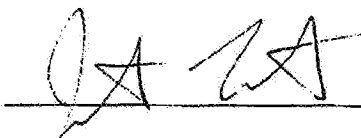
Full name :	PAUL W. ALEXANDER	Declaration dated :	_____
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Residence :	YPSILANTI, MICHIGAN		_____
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Inventor's signature	_____	Date	_____
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Full name :	DIANN BREI	Declaration dated :	_____
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Residence :	MILFORD, MICHIGAN		_____
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Inventor's signature		Date	4-9-2009
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Full name :	JONATHAN E. LUNTZ	Declaration dated :	_____
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Residence :	ANN ARBOR, MICHIGAN		4-9-2009
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Inventor's signature	_____	Date	_____
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### ASSIGNMENT

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US Provisional Serial No	Filed
61/043912	10-APR-2008

Inventor's signature	_____	Date	_____
Full name :	PAUL W. ALEXANDER	Declaration dated :	_____
Residence :	YPSILANTI, MICHIGAN		_____
Inventor's signature	_____	Date	_____
Full name :	DIANN BREI	Declaration dated :	_____
Residence :	MILFORD, MICHIGAN		_____
Inventor's signature	_____	Date	_____
Full name :	JONATHAN E. LUNTZ	Declaration dated :	_____
Residence :	ANN ARBOR, MICHIGAN		_____
Inventor's signature	<u>James Luntz</u>	Date	<u>04/08/2009</u>

Customer No. 76598  
P004976-RD-MJL, Page 2

Full name : MONICA CRISTINA TOMA

Declaration dated :

Residence : ANN ARBOR, MICHIGAN

04/08/2009

Inventor's signature Alan L. Browne

Date 4/14/2009

Full name : ALAN L. BROWNE

Declaration dated :

Residence : GROSSE POINTE, MICHIGAN

4/14/2009

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_

Full name : NANCY L. JOHNSON

Declaration dated :

Residence : NORTHVILLE, MICHIGAN

\_\_\_\_\_

Customer No. 76598  
P004976-RD-MJL, Page 2

Full name : MONICA CRISTINA TOMA

Declaration dated : \_\_\_\_\_

Residence : ANN ARBOR, MICHIGAN

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_

Full name : ALAN L. BROWNE

Declaration dated : \_\_\_\_\_

Residence : GROSSE POINTE, MICHIGAN

Inventor's signature \_\_\_\_\_

Date 4/8/09

Full name : NANCY L. JOHNSON

Declaration dated : \_\_\_\_\_

Residence : NORTHVILLE, MICHIGAN

4/8/09

PATENT

RECORDED: 04/15/2009

REEL: 022550 FRAME: 0158