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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NILESH D. MANKAME	05/28/2013
JAMES M. LOMBARDI	05/24/2013
CRESCENZIO PELINO	05/28/2013
JAMES HOLBROOK BROWN	05/22/2013
ARAGORN ZOLNO	05/22/2013
DANIEL BLAIR	05/22/2013

RECEIVING PARTY DATA

Name:	GM GLOBAL TECHNOLOGY OPERATIONS LLC
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Internal Address:	MAIL CODE 482-C23-B21
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State/Country:	MICHIGAN
Postal Code:	48265-3000

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13917780	

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PATENT

502651218 REEL: 032046 FRAME: 0242

Signature:	/amittons/
Date:	01/26/2014
Total Attachments: 4 source=P023011 Assignment#page1.tif source=P023011 Assignment#page2.tif source=P023011 Assignment#page3.tif source=P023011 Assignment#page4.tif	

PATENT REEL: 032046 FRAME: 0243

Pursuant to an agreement with my employer, I formally assign to GM GLOBAL TECHNOLOGY OPERATIONS LLC, the entire right, title and interest, in all countries and application types, in the improvements set forth in the United States patent application P024886-RD-SDJ entitled

SENSOR MULTIPLEXING IN ACTUATION SYSTEMS COMPRISING ACTIVE-MATERIAL ACTUATORS

practitioner associate	a declaration. If the patent application has be d with Customer No. 87388 to insert the app	lication number and filing date
of said application he when known.	re in parentheses (13/917, 780 filed _	June 14, 2013
Inventor's signature		Date5/28/20/3
Full name :	NILESH D. MANKAME	
Residence:	ANN ARBOR, MICHIGAN	
Inventor's signature		Date
Full name :	JAMES M LOMBARDI	
Residence :	GROSSE POINTE WOODS, MICHIGAN	
Inventor's signature		Date
Full name :	CRESCENZIO PELINO	
Residence:	CLINTON TOWNSHIP, MACOMB COUNTY, MI	

PATENT REEL: 032046 FRAME: 0244

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for which I executed a declaration. If the patent application has been filed, I authorize any practitioner associated with Customer No. 87388 to insert the application number and filing date of said application here in parentheses (13/917, 780 filed June 14, 2013 when known.

Inventor's signature		Date
Full name :	NILESH D, MANKAME	
Residence:	ANN ARBOR, MICHIGAN	
Inventor's signature Full name: Residence:	JAMES M LOMBARDI GROSSE POINTE WOODS, MICHIGAN	Date May 24, 2014
Inventor's signature Full name :	CRESCENZIO PELINO	Date
Residence :	CLINTON TOWNSHIP, MACOMB COUNTY, MI	

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for which I executed a declaration. If the patent application has been filed, I authorize any

practitioner associated with Customer No. 87388 to insert the application number and filing date of said application here in parentheses (13/917, 780 filed June 13, 2014 when known. Inventor's signature Full name: NILESH D. MANKAME Residence: ANN ARBOR, MICHIGAN Inventor's signature JAMES M LOMBARDI Full name: GROSSE POINTE WOODS, MICHIGAN Residence: Inventor's signature CRESCENZIO PELINO Full name:

CLINTON TOWNSHIP, MACOMB

COUNTY, MI

Residence:

PATENT REEL: 032046 FRAME: 0246

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SENSOR MULTIPLEXING IN ACTUATION SYSTEMS COMPRISING ACTIVE-MATERIAL ACTUATORS

practitioner associat	ed with Customer No. 87388 to insert the distribution of the control of the contr	ne application	number and filing date
Inventor's signature Full name :	JAMES HOLBROOK BROWN	Dale	5/22/2013
Residence:	TEMECULA, CALIFORNIA		
Inventor's signature Full name: Residence:	ARAGORN ZOŁNO WHITTIER, CALIFORNIA	Date	5/22/2018
Inventor's signature Full name:	DANIEL BLAIR	Date	05/11/2013
Residence:	RANCHO SANTA MARGARITA,		

PATENT REEL: 032046 FRAME: 0247

RECORDED: 01/26/2014