

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT4269174

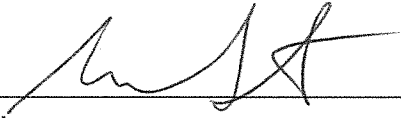
<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MUHAMMAD E. ABDALLAH	02/03/2017
JAMES W. WELLS	02/03/2017
<b>RECEIVING PARTY DATA</b>	
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<b>Street Address:</b>	P.O. Box 300
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<b>City:</b>	Detroit
<b>State/Country:</b>	MICHIGAN
<b>Postal Code:</b>	48265-3000
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15429241
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<b>ATTORNEY DOCKET NUMBER:</b>	P039178-US-NP/GM4560PUS
<b>NAME OF SUBMITTER:</b>	CAROL A. PIERSON
<b>SIGNATURE:</b>	/Carol A. Pierson/
<b>DATE SIGNED:</b>	02/10/2017
<b>Total Attachments: 1</b>	
source=Assignment_P039178#page1.tif	

**ASSIGNMENT**

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 P039178-US-NP entitled

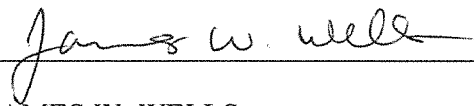
**REDUNDANT UNDERACTUATED ROBOT  
WITH MULTI-MODE CONTROL FRAMEWORK**

for which I executed a declaration. If the patent application has been filed, I authorize any practitioner associated with Customer No. 72823 to insert the application number and filing date of said application here in parentheses (15/429241 filed 10-FEB-2017) when known.

Inventor's signature  Date 2/3/17

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