

<b>PATENT ASSIGNMENT COVER SHEET</b>
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EPAS ID: PAT5332990

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
FAN BAI	01/15/2019
SHU CHEN	01/15/2019
DONALD K. GRIMM	01/15/2019
JINZHU CHEN	01/15/2019
BO YU	01/15/2019
DAVID E. BOJANOWSKI	01/18/2019
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<b>Name:</b>	GM GLOBAL TECHNOLOGY OPERATIONS LLC
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<b>Internal Address:</b>	MAIL CODE 482-C22-A68
<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>
<b>Application Number:</b>	16251669
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<b>NAME OF SUBMITTER:</b>	LINDSAY N. KANDOW
<b>SIGNATURE:</b>	/Lindsay N. Kandow/
<b>DATE SIGNED:</b>	01/18/2019

**Total Attachments: 2**

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**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 P047013-US-NP entitled:

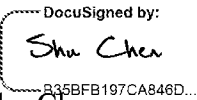
**METHODS AND APPARATUS FOR DETERMINING LANE-LEVEL STATIC AND DYNAMIC INFORMATION**

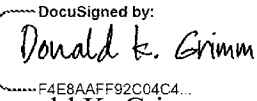
for which application for Letters Patent of the United States:

- has been executed on even date herewith;
- executed on \_\_\_\_\_;
- was filed on January 18, 2019 and assigned U.S. Serial No. 16/251,669;

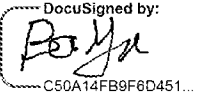
ASSIGNOR hereby authorizes GM GLOBAL TECHNOLOGY OPERATIONS LLC, its successors and assigns, its legal representatives, or anyone it may properly designate, to insert in this instrument the filing date and/or serial number of said application when ascertained.

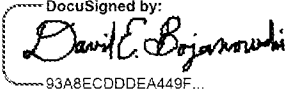
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