PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SEYEDALIREZA KASAIEZADEH MAHABADI	04/10/2017
EHSAN HASHEMI	04/10/2017
BAKHTIAR B. LITKOUHI	04/10/2017
NIKOLAI K. MOSHCHUK	04/10/2017
SHIH-KEN CHEN	04/11/2017

RECEIVING PARTY DATA

Name:	GM GLOBAL TECHNOLOGY OPERATIONS LLC
Street Address:	300 RENAISSANCE CENTER
Internal Address:	MAIL CODE: 482-C23-B21
City:	DETROIT
State/Country:	MICHIGAN
Postal Code:	48265-3000

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15486107

CORRESPONDENCE DATA

Fax Number: (480)385-5061

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 480-385-5060

Email: docketing@lkglobal.com

Correspondent Name: LKGLOBAL (GM)

Address Line 1: 7010 E. COCHISE ROAD

Address Line 4: SCOTTSDALE, ARIZONA 85253

ATTORNEY DOCKET NUMBER: P039142 (003.1519)

NAME OF SUBMITTER: JOEL C. WATKINS

SIGNATURE: /JOEL C. WATKINS/

DATE SIGNED: 04/12/2017

Total Attachments: 3

PATENT REEL: 042241 FRAME: 0169

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> PATENT REEL: 042241 FRAME: 0170

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 P039142-US-NP (003.1519) entitled:

SYSTEMS AND METHODS FOR FAULT DETECTION IN LATERAL VELOCITY ESTIMATION

for wi		n for Letters Patent of the United Stated on even date herewith;	tates:	
[X]		April 12, 2017 and	assigned U.S. Se	rial No. <u>15/486.107</u>
succe	ssors and assigi	authorizes GM GLOBAL TE ns, its legal representatives, or any ling date and/or serial number of s	CHNOLOGY Cone it may prope	PERATIONS LLC, it rate designate, to insert in
Invent	tor's signature	Kasaiezadeh	Date	9/10/17
Full n	ame :	SEYEDALIREZA KASAIEZA		
Reside	ence :	MAHABADI SHELBY TOWNSHIP, MICH	IIGAN	
	tor's signature		Date	
Full n. Reside		EHSAN HASHEMI WATERLOO, ONTARIO CANADA		
	or's signature	Baldyar Shifan	Date	4/10/17
Full na Resido		BAKHTIAR'B. LITKOUHI WASHINGTON, MICHIGAN		
	or's signature	4.000	Date	4/10/17
Full ni Resido		NIKOLAI K. MOSHCHUK GROSSE POINTE, MICHIGA	\	
	or's Signature		Date	
Full ni Reside		SHIH-KEN CHEN TROY, MICHIGAN		

PATENT REEL: 042241 FRAME: 0171

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SYSTEMS AND METHODS FOR FAULT DETECTION IN LATERAL VELOCITY ESTIMATION

	n for Letters Patent of the United S	tates:	
[] has been exe	cuted on even date herewith;		
[] executed on			
[X] was filed on	April 12, 2017 and	assigned U.S. Serial No	, 15/486,107 ;
successors and assig	/ authorizes GM GLOBAL TE ns, its legal representatives, or any lling date and/or serial number of s	yone it may properly des	signate, to insert in
Inventor's signature		Date	
Full name:	SEYEDALIREZA KASAIEZA MAHABADI	ADEH	
Residence :	SHELBY TOWNSHIP, MICH	IIGAN	
Inventor's signature		Date	11/10/2019
Full name : Residence :	EHSAN HASHEMI		
RUNNIERC	WATERLOO, ONTARIO CANADA		
Inventor's signature		Date	
Full name:	BAKHTIAR B. LITKOUHI		
Residence:	WASHINGTON, MICHIGA?		
Inventor's signature		Date	1 40 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Full name:	NIKOLAI K. MOSHCHUK	in the second of	
Residence:	GROSSE POINTE, MICHIG		
Inventor's signature		Date	
Full name:	SHIH-KEN CHEN		
Residence:	TROY, MICHIGAN		

PATENT REEL: 042241 FRAME: 0172

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 P039142-US-NP (003.1519) entitled:

SYSTEMS AND METHODS FOR FAULT DETECTION IN LATERAL VELOCITY ESTIMATION

for which application	i for Letters Patent of the United States:	
- X X	outed on even date herewith;	
	<u> </u>	
[X] was filed on .	April 12, 2017 and assigned	U.S. Serial No. <u>15/486,107</u>
successors and assig	authorizes GM GLOBAL TECHNOL ns, its legal representatives, or anyone it m ling date and/or serial number of said applic	ay properly designate, to insert in
Inventor's signature		Date
Full name :	SEYEDALIREZA KASAIEZADEH MAHABADI	
Residence :	SHELBY TOWNSHIP, MICHIGAN	
Inventor's signature		Date
Full name:	EHSAN HASHEMI	
Residence:	WATERLOO, ONTARIO CANADA	
Inventor's signature		Date
Full name:	BAKHTIAR B. LITKOUHI	
Residence:	WASHINGTON, MICHIGAN	
Inventor's signature		Date
Full name:	NIKOLAI K. MOSHCHUK	
Residence:	GROSSE POINTE, MICHIGAN	
Inventor's signature	8/4	Date 34/1/2017
Full name :	SHIH-KEN CHEN	
Residence:	TROY, MICHIGAN	

PATENT REEL: 042241 FRAME: 0173

RECORDED: 04/12/2017