505177429 11/06/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YOUNG JOO LEE	11/05/2018
KIBOK LEE	11/06/2018
BRIAN J. GALLERT	11/02/2018

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:	16181801

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	P047055-US-NP
NAME OF SUBMITTER:	LAURA KNIGHT
SIGNATURE:	/Laura Knight/
DATE SIGNED:	11/06/2018

Total Attachments: 3

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> **PATENT** REEL: 047423 FRAME: 0405 505177429

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 P047055-US-NP entitled

SYSTEM AND METHOD FOR ESTIMATING ROTOR SENSOR OFFSET

for which I executed a declaration. If the patent application has been filed, I authorize any practitioner associated with Customer No. 74175 to insert the application number and filing date of said application here in parentheses (16/18/1801 filed 1001600 filed 10016

Inventor's signature	Millo ha	Date 11/05/2018
Full name:	Young Joo Lee	
Residence:	Rochester, Michigan,	
Inventor's signature		Date
Full name:	Kibok Lee	
Residence:	Ann Arbor, Michigan	
Inventor's signature		Date
Full name:	Brian J. Gallert	
Residence:	Waterford, Michigan	

PATENT REEL: 047423 FRAME: 0406

ASSIGNMENT

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Inventor's signature		Date
Full name:	Young Joo Lee	
Residence:	Rochester, Michigan,	
Inventor's signature	Mr.	Date 11/6/2018
Full name:	Kibok Lee	
Residence :	Ann Arbor, Michigan	
Inventor's signature		Dafe
Full name:	Brian J. Gallert	
Residence :	Waterford, Michigan	

PATENT REEL: 047423 FRAME: 0407

ASSIGNMENT

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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. 74175 to insert the application number and filing date of said application here in parentheses (LIQ | SOL filed November (et 2018)) when known.

Inventor's signature		Date
Full name:	Young Joo Lee	
Residence:	Rochester, Michigan,	
Inventor's signature		Date
Full name:	Kibok Lee	
Residence:	Ann Arbor, Michigan	
Inventor's signature	Bus	Date ///2/2018
Full name:	Brian J. Gallert	7 4
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PATENT REEL: 047423 FRAME: 0408

RECORDED: 11/06/2018