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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
JOAQUIN HUNG	04/06/2018
RAJESH MARWAHA	04/06/2018
RAMESH PERIASAMY	04/06/2018
JAAFAR BASHIRY-KHOSHRAFTAR	04/06/2018
SIMON KWAN HOI CHAN	04/06/2018
HAI YANG ZHOU	04/16/2018

RECEIVING PARTY DATA

Name:	FLEX-N-GATE ADVANCED PRODUCT DEVELOPMENT LLC
Street Address:	5663 EAST 9 MILE ROAD
City:	WARREN
State/Country:	MICHIGAN
Postal Code:	48091

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15966596

CORRESPONDENCE DATA

Fax Number: (202)672-5399

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.

Email: cnwilliams@foley.com, ipdocketing@foley.com **FOLEY & LARDNER LLP**

Correspondent Name: Address Line 1: 3000 K STREET

Address Line 2: SUITE 600

Address Line 4: WASHINGTON, D.C. 20007-5709

ATTORNEY DOCKET NUMBER:	082312-1020
NAME OF SUBMITTER:	TRAVIS W. SIMMONS
SIGNATURE:	/Travis W. Simmons/
DATE SIGNED:	02/25/2019

Total Attachments: 8

PATENT REEL: 048422 FRAME: 0468

EPAS ID: PAT5390490

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PATENT REEL: 048422 FRAME: 0469

ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

FLEX-N-GATE ADVANCED PRODUCT DEVELOPMENT LLC. 5663 East 9 Mile Road Warren, Michigan 48091 US

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

Park Brake Emulator

as set forth in	this	United States Patent Application
check one] executed concurrently herewith,
	2.77] executed on

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the Patent Cooperation Treaty, the Paris Convention and any other international agreement; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

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4848-6324-4640.1

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of Foley & Lardner LLP the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of Foley & Lardner LLP do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Name:

JOAQUIN HUNG

SIGNATURE

DATE

APR/06/2013

NAME AND SIGNATURE OF WITNESSES

Name:

Tim MacNaughtan

SIGNATURE

DATE

Name: SCID, HAR SMHYANARAYANAN

SIGNATURE

DATE

Apr. 06 2018

an /06/2018

Name: RAJESH MARWAHA

SIGNATURE

DATE

April 09 2018

NAME AND SIGNATURE OF WITNESSES

Vame:

Roy Al

SIGNATURE

DATE

Name: ERNEST AY

SIGNATURE

DATE

Name:

RAMESH PERLASAMY

SIGNATURE

DATE

P150~12018

NAME AND SIGNATURE OF WITNESSES

Name:

SRIDHAR SATHYAWARAYAWAN SIGNATURE

DATE

Name:

Tim MacNaughtan

SIGNATURE

DATE

10 2012

Page 5 of 8

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NAME AND SIGNATURE OF INVENTOR

Name:

JAAFAR BASHIRY-

KHOSHRAFTAR

SIGNATURE

DATE

4004 OG, 2018

NAME AND SIGNATURE OF WITNESSES

SIGNATURE

DATE

Name: NICK PORCO Name: RICK KALASKA

SIGNATURE

DATE

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4848-6324-4640.1

PATENT REEL: 048422 FRAME: 0475

Name: SIMON KWAN HOI

SIGNATURE

CHAN

DATE

APR 6 2018

NAME AND SIGNATURE OF WITNESSES

Name: Ry Ahn

SIGNATURE

DATE

Name: ERNEST AY.

SIGNATURE

DATE

Page 7 of 8

HAI YANG ZOU Name:

SIGNATURE

DATE

NAME AND SIGNATURE OF WITNESSES

Name:

SIGNATURE

DATE

Roy Ahn ERNEST AU. Name:

SIGNATURE

DATE

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PATENT REEL: 048422 FRAME: 0477

RECORDED: 02/25/2019