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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
COREY J. FERRELL	10/19/2017
FABIEN FOUR	10/24/2017
JOHNNY YU JR.	10/24/2017
ANKIT BHARDWAJ	10/24/2017
JUAN C. VELEPUCHA	10/24/2017

RECEIVING PARTY DATA

Name:	SIEMENS INDUSTRY, INC.	
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City:	ALPHARETTA	
State/Country:	GEORGIA	
Postal Code:	30005	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15788135

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Correspondent Name: SIEMENS CORPORATION IP DEPARTMENT

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Tabal Attachus and a O		
DATE SIGNED:	11/01/2017	
SIGNATURE:	/CHRISTY JOHNS/	
IAME OF SUBMITTER: CHRISTY JOHNS		
ATTORNEY DOCKET NUMBER:	2017P00632US	

Total Attachments: 8

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Docket No.: 2017P00632 US Page 1 of 8

ASSIGNMENT

For good and valuable consideration, I (We),

Corey J. Ferrell, residing at 6 Prokop Road, Oxford, CT 06478, US, citizen of US
Fabien Four, residing at 37 Rynda Road, South Orange, NJ 07079, US, citizen of FR
Johnny Yu, Jr., residing at 78 Bounty Lane, Jericho, NY 11753, US, citizen of US
Ankit Bhardwaj, residing at 30 River Court Apt 2210, Jersey City, NJ 07310, US, citizen of IN
Juan C. Velepucha, residing at 2 Woodside Avenue Ext, Danbury, CT 06810, US, citizen of US

hereafter individually or collectively referred to as "Assignor(s)";

Hereby, (I) acknowledge having previously assigned, sold and transferred to Siemens Industry, Inc., a corporation organized and existing under the laws of the state of DELAWARE, having its principal place of business at 100 Technology Drive, Alpharetta, GA 30005, hereinafter "Assignee", its successors, assigns and legal representatives, or to a predecessor of Assignee, pursuant to (A)(i) the laws of UNITED STATES OF AMERICA or (ii) a Patent & Secrecy Agreement or similar legal document such as, without limitation, an employee agreement executed at the time of entering into the employment of, or executed as a condition of continuing employment with, the Assignee or a predecessor of the Assignee, the entire right, including any and all priority rights, title and interest, in and for the United States and all foreign countries, in and to any and all inventions or improvements which are disclosed in an invention disclosure and/or in the below-identified documents currently filed with this Assignment, already filed or granted for Letters Patent (in which case, any provision of the subject Assignment that is in conflict with or is in addition to any provision in the prior agreement(s) or assignment(s) then this Assignment shall govern, take precedence, and be of legal effect), or

(B)(i) to the extent such laws of UNITED STATES OF AMERICA or such Patent & Secrecy Agreement or similar legal document failed or fails, in whole or part, to have assigned, sold or transferred the entire right (including priority rights), title and interest, in and for the United States and all foreign countries, in and to all inventions or improvements which are disclosed in the below-identified application(s) or pending application(s) or granted Letters Patent, or (ii) if no such agreement(s) exist assigning, selling or transferring any such right (including priority rights), title or interest; then for good and valuable consideration, Assignor(s) now and hereby, effective Nunc Pro Tunc on the filing date of the below identified patent application(s), pending patent application(s) or granted Letter Patent(s), assign, sell and transfer(s) to Assignee, its successors, assigns and legal representatives, the entire right, (including all priority rights), title and interest in and for the United States and all foreign countries, in and to any and all inventions and/or improvements which are disclosed in the following identified; patent application(s), pending patent application(s) or granted Letter Patent(s)

Patent Application Title: LOCOMOTIVE SIMULATION SYSTEMS AND METHODS Filing Date: 19 Oct 2017 Filing Number: 15/788,135

Internal Case Number(s): 2017P00632 US

and in and to said application(s) or granted patents and all applications claiming priority to said application or granted patent, including, without limitation, and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall

JDNR: 1930 / 21,05,2015

Docket No.: 2017P00632 US Page 2 of 8

be filed in the United States and all foreign countries on any of the inventions and/or improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on the inventions and/or improvements;

(II) Agree that said Assignee may apply for and receive Letters Patent for said inventions and/or improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions and/or improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said inventions and/or improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and/or improvements and all applications for patents and all patents on said inventions and/or improvements, in said Assignee, its successors, assigns and legal representatives; and

(III) Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Docket No.: 2017P00632 US Page 3 of 8

Philipp Hullmann printed name

Corey J. Ferrell

Docket No.: 2017P00632 US Page 4 of 8

Dharmder Singh printed name

Otober 24th, 2017

Docket No.: 2017P00632 US Page 5 of 8

Dharmdro Sings

Johnny Yu, Jr.

010802 24, 2017 Date

Docket No.: 2017P00632 US

Page 6 of 8

Witness Signature

Ankit Bhardwa

Dharmdeo Sing L

October 24, 2017 Date

Docket No.: 2017P00632 US

Page 7 of 8

Witness Signature

Dharmdeo Sing printed name لر kuan C. Velepucha

October 24th, 2017 Date

Docket No.: 2017P00632 US

Page 8 of 8

Company Representative Siemens Industry, Inc.

Michael J. Wallace, Jr. Assistant Secretary, Intellectual Property

PATENT REEL: 044008 FRAME: 0419

RECORDED: 11/01/2017