

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2745297

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>RICHARD BAMFIELD</td> <td>01/28/2014</td> </tr> <tr> <td>ADAM MOORHOUSE</td> <td>01/17/2014</td> </tr> </tbody> </table>		Name	Execution Date	RICHARD BAMFIELD	01/28/2014	ADAM MOORHOUSE	01/17/2014				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Siemens Rail Automation Corporation</td> </tr> <tr> <td>Street Address:</td> <td>2400 Nelson Miller Parkway</td> </tr> <tr> <td>City:</td> <td>Louisville</td> </tr> <tr> <td>State/Country:</td> <td>KENTUCKY</td> </tr> <tr> <td>Postal Code:</td> <td>40223</td> </tr> </table>		Name:	Siemens Rail Automation Corporation	Street Address:	2400 Nelson Miller Parkway	City:	Louisville	State/Country:	KENTUCKY	Postal Code:	40223
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14171864</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14171864						
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CORRESPONDENCE DATA											
<p>Fax Number: (732)321-3014</p> <p>Phone: 7323213026</p> <p>Email: ipdadmin.us@siemens.com</p> <p><i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i></p> <p>Correspondent Name: SANDRA BAKER</p> <p>Address Line 1: 170 WOOD AVENUE SOUTH</p> <p>Address Line 2: IPD 5TH FLOOR</p> <p>Address Line 4: ISELIN, NEW JERSEY 08830</p>											
ATTORNEY DOCKET NUMBER:	2013P22433 US										
NAME OF SUBMITTER:	JESSICA THOMAS										
Signature:	/jt/										
Date:	02/27/2014										

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Total Attachments: 4

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PATENT

REEL: 032311 FRAME: 0094

ASSIGNMENT

For good and valuable consideration, We,

Richard Bamfield, residing at 25 Pinehill Road, RDI Upper Moutere, Ruby Bay, 7173, New Zealand,
citizen of US

Adam Moorhouse, residing at 7967 Hemingway Ct, Fontana, CA 92336, US, citizen of US

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

Hereby, (I) acknowledge having previously assigned, sold and transferred to **Siemens Rail Automation Corporation**, a corporation organized and existing under the laws of **THE UNITED STATES OF AMERICA**, having its principal place of business at 2400 Nelson Miller Parkway, Louisville, Kentucky 40223, hereinafter "Assignee", its successors, assigns and legal representatives, or to a predecessor of Assignee, pursuant to (A)(i) the laws of **THE 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 **THE 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: **REAL-TIME GRAPHICAL DISPLAY OF LADDER LOGIC FOR RAILROAD EQUIPMENT**

Filing Date (MM/DD/YYYY): **02/04/2014**

Filing Number: **14/171,864**

Internal Case Number(s): **2013P22433 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 be filed in

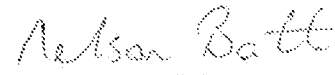
the United States and all foreign countries on any of the inventions and/or improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on the inventions and/or improvements;

(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 for vesting title to 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.



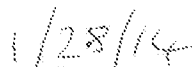
Witness Signature




printed name



Richard Bamfield



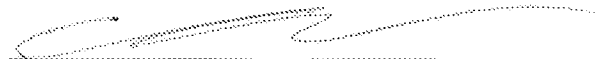
Date



Witness Signature

BRIAN HOGAN

printed name



Adam Moorhouse

1/17/2014

Date

Company Representative
Siemens Rail Automation Corporation

Kimberly E. Taylor

Kimberly E. Taylor
Senior Legal Counsel

11/4/14

Date