504500121 08/11/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4546825

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FABIAN STREIFF	04/10/2017
GERHARD ISEPPONI	03/29/2017

RECEIVING PARTY DATA

Name:	BOMBARDIER TRANSPORTATION GMBH
Street Address:	SCHOENEBERGER UFER 1
City:	BERLIN
State/Country:	GERMANY
Postal Code:	10785

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15507441

CORRESPONDENCE DATA

Fax Number: (412)471-4094

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: 4124718815

Email: assignments@webblaw.com

Correspondent Name: THE WEBB LAW FIRM Address Line 1: ONE GATEWAY CENTER

420 FT. DUQUESNE BLVD., SUITE 1200 Address Line 2: Address Line 4: PITTSBURGH, PENNSYLVANIA 15222

ATTORNEY DOCKET NUMBER:	5997-1701287
NAME OF SUBMITTER:	RUSSELL D. ORKIN
SIGNATURE:	/russell d. orkin/
DATE SIGNED:	08/11/2017

Total Attachments: 4

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> **PATENT** REEL: 043270 FRAME: 0341 504500121

RECORDATION FO PATENT	
	e record the attached documents or the new address(es) below.
1. Name of conveying party(ies) Fabian STREIFF Gerhard ISEPPONI	2. Name and address of receiving party(ies) Name: Bombardier Transportation GmbH Internal Address:
Additional name(s) of conveying party(ies) attached? Yes No 3. Nature of conveyance/Execution Date(s): Execution Date(s) April 10, 2017 & March 29, 2017	Street Address: Schoeneberger Ufer 1
✓ Assignment	City: Berlin State:
Government Interest Assignment Executive Order 9424, Confirmatory License	Country: GERMANY Zip: 10785
A. Patent Application No.(s) 15/507,441	Additional name(s) & address(es) attached? Yes No document serves as an Oath/Declaration (37 CFR 1.63). B. Patent No.(s)
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1
Name: Russell D. Orkin	7. Total fee (37 CFR 1.21(h) & 3.41) \$0
Internal Address: The Webb Law Firm	Authorized to be charged to deposit account
Street Address: One Gateway Center 420 Ft. Duquesne Blvd., Ste 1200	Enclosed None required (government interest not affecting title)
City: Pittsburgh	8. Payment Information
State: <u>PA</u> Zip: <u>15222</u>	
Phone Number: 412-471-8815 Docket Number: 5997 - 1701287 Email Address: assignments@webblaw.com	Deposit Account Number Authorized User Name
9. Signature: /Russell D. Orkin/	August 11, 2017
Russell D. Orkin/ Signature Russell D. Orkin Name of Person Signing Documents to be recorded (including cover sheet Mail Stop Assignment Recordation Services, Director of	Date Total number of pages including cover sheet, attachments, and documents: 4) should be faxed to (571) 273-0140, or mailed to:

PATENT
REEL: 043270 FRAME: 0342

	INTERNATIONAL
Application No	15/507,441
Attorney Docket No	o. <u>5997</u> -1701287

ASSIGNMENT

WHEREAS, as a below named inventor, I have invented certain new and useful improvements in

METHOD AND DEVICE FOR MONITORING AN ELECTRIC NETWORK IN A RAIL VEHICLE (Invention Title) for which I have this day executed an application for a United States Patent (hereinafter "said application"). AND/OR X for which an application for a United States Patent was filed on 09/01/2015 (mm/dd/yyyy) and bears Application Number 15/507,441 (hereinafter "said application"). AND/OR X for which an international patent application was filed under the Patent Cooperation Treaty on 09/01/2015 (mm/dd/yyyy), bearing Application No. PCT/EP2015/069885 (hereinafter "said application").

AND, WHEREAS, **Bombardier Transportation GmbH**, a corporation of **Germany**, having a place of business at **Schoeneberger Ufer 1**, **10785 Berlin**, **Germany**, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I as the inventor or as one of the inventors, hereinafter the assignor(s), do hereby assign, sell and transfer unto said assignee the full and exclusive right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made.

I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make this Assignment.

	INTERNATIONAL
Application No.	15/507,441
Attorney Docket No	5997-1701287

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

RESIDENCE:
Wallisellen, SWITZERLAND
-, 2017 - Land
SIGNATURE
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RESIDENCE:
Boppelsen, SWITZERLAND
, 2017
SIGNATURE
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	INTERNATIONAL
Application No	15/507,441
Attorney Docket No	5997-1701287

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

Wallisellen, SWITZERLAND
,2017
SIGNATURE
RESIDENCE: Boppelsen, SWITZERLAND
, 2017

Page 2 of 2