

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Jeffrey D. Kernwein | 01/25/2011 |
| M. Frank Wilson | 01/25/2011 |
| RECEIVING PARTY DATA | |
| Name: | Wabtec Holding Corp. |
| Street Address: | 1001 Air Brake Avenue |
| City: | Wilmerding |
| State/Country: | PENNSYLVANIA |
| Postal Code: | 15148 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 12976267 |
| CORRESPONDENCE DATA | |
| Fax Number: | (412)945-5933 |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | |
| Phone: | 412-471-8815 |
| Email: | assignments@webblaw.com |
| Correspondent Name: | The Webb Law Firm |
| Address Line 1: | 436 Seventh Avenue |
| Address Line 2: | 700 Koppers Building |
| Address Line 4: | PITTSBURGH, PENNSYLVANIA 15219 |
| ATTORNEY DOCKET NUMBER: | 4293-101109 |
| NAME OF SUBMITTER: | Nathan J. Prepelka |

OP \$40.00 12976267

Total Attachments: 4
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RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)
 Jeffrey D. Kernwein
 M. Frank Wilson

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
 Name: WABTEC HOLDING CORP.
 Internal Address: _____

 Street Address: 1001 Air Brake Avenue

 City: Wilmerding
 State: PA
 Country: US Zip: 15148

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):
 Execution Date(s) January 25, 2011

Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s): This document is being filed together with a new application.

A. Patent Application No.(s)
12/976,267

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:
 Name: Richard L. Byrne
 Internal Address: The Webb Law Firm

 Street Address: 436 Seventh Avenue
700 Koppers Building
 City: Pittsburgh
 State: PA Zip: 15219
 Phone Number: 412-471-8815
 Fax Number: 412-945-5933
 Email Address: assignments@webblaw.com

6. Total number of applications and patents involved: 1


7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 6317
 Expiration Date 05/2012

b. Deposit Account Number 23-0650
 Authorized User Name _____

9. Signature:  February 9, 2011
 Signature Date
Nathan J. Prepelka, Reg. No. 43,016
 Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

DOMESTIC
Application No. 12/976,267
Attorney Docket No. 4293-101109

ASSIGNMENT

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

**SYSTEM AND METHOD FOR DETERMINING AIR
PROPAGATION DATA IN A BRAKING ARRANGEMENT OF A TRAIN**

(Invention Title)

for which a United States Provisional Patent application was filed on _____ (mm/dd/yyyy) and bears Application Number _____ (hereinafter "said application").

AND/OR

for which I have this day executed an application for a United States Patent (hereinafter "said application").

AND/OR

for which an application for a United States Patent was filed on 12/22/2010 (mm/dd/yyyy) and bears Application Number 12/976,267 (hereinafter "said application").

AND/OR

for which an international patent application was filed under the Patent Cooperation Treaty on _____ (mm/dd/yyyy), bearing Application No. _____ (hereinafter "said application").

AND, WHEREAS, WABTEC HOLDING CORP., a corporation of the State of Delaware, having a place of business at 1001 Air Brake Avenue, Wilmerding, Pennsylvania 15148, 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.

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,

DOMESTIC

Application No. 12/976,267

Attorney Docket No. 4293-101109

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.

1. FULL NAME OF ASSIGNOR:
Jeffrey D. Kernwein

RESIDENCE:
Cedar Rapids, IA

EXECUTED this 25th day of January, 2011


SIGNATURE

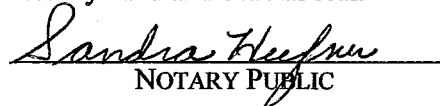
STATE of IOWA)

COUNTY of LINN)

On this 15th day of JANUARY, in the year 2011, before me Sandra Heefner,
DAY MONTH YEAR NOTARY PUBLIC NAME

a notary public, personally appeared Jeffrey D. Kernwein,
NAME OF DOCUMENT SIGNER

proved on the basis of satisfactory evidence to be the person whose name is subscribed to this instrument, and acknowledged he/she executed the same. Witness my hand and official seal.


NOTARY PUBLIC

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Checked Box indicates 1 additional page(s) for inventor signatures.

DOMESTIC

Application No. 12/976,267

Attorney Docket No. 4293-101109

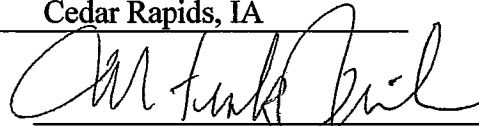
2. FULL NAME OF ASSIGNOR:

M. Frank Wilson

RESIDENCE:

Cedar Rapids, IA

EXECUTED this 25TH day of January, 2011



SIGNATURE

STATE of IOWA)

COUNTY of LINN)

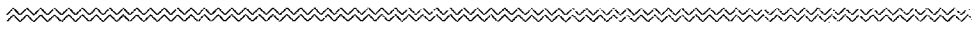
On this 25TH day of JANUARY, in the year 2011, before me Sandra Heffner,
DAY MONTH YEAR NOTARY PUBLIC NAME

a notary public, personally appeared M. Frank Wilson,
NAME OF DOCUMENT SIGNER

proved on the basis of satisfactory evidence to be the person whose name is subscribed to this instrument, and acknowledged he/she executed the same. Witness my hand and official seal.

Sandra Heffner
NOTARY PUBLIC

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