

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Jason T. Connell	04/07/2008
M. Frank Wilson	04/10/2008
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Wabtec Holding Corp.
<b>Street Address:</b>	1001 Air Brake Avenue
<b>City:</b>	Wilmerding
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	15148
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	12102196
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(412)471-4094
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	4124718815
<b>Email:</b>	webblaw@webblaw.com
<b>Correspondent Name:</b>	The Webb Law Firm
<b>Address Line 1:</b>	436 Seventh Avenue
<b>Address Line 2:</b>	700 Koppers Building
<b>Address Line 4:</b>	Pittsburgh, PENNSYLVANIA 15219
<b>ATTORNEY DOCKET NUMBER:</b>	4293-072744
<b>NAME OF SUBMITTER:</b>	Richard L. Byrne

OP \$40.00 12102196

Total Attachments: 4  
 source=Assignment#page1.tif  
 source=Assignment#page2.tif

**500513208**

**PATENT**  
**REEL: 020799 FRAME: 0375**

source=Assignment#page3.tif  
source=Assignment#page4.tif

### 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)**  
 Jason T. Connell  
 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) April 7, 2008 and April 10, 2008

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)  
12/102,196

B. Patent No.(s)

Additional numbers attached?  Yes  No

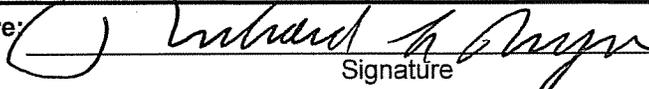
**5. Name and address to whom correspondence concerning document should be mailed:**  
 Name: Richard L. Byrne  
 Internal Address: The Webb Law Firm  
 Street Address: 436 Seventh Avenue  
700 Koppers Building  
 City: Pittsburgh  
 State: PA Zip: 15219  
 Phone Number: 412-471-8815  
 Fax Number: 412-471-4094  
 Email Address: webblaw@webblaw.com

**6. Total number of applications and patents involved:** \_\_\_\_\_

**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 1059  
 Expiration Date 08/2010  
 b. Deposit Account Number 23-0650  
 Authorized User Name \_\_\_\_\_

**9. Signature:**  \_\_\_\_\_ April 14, 2008  
 Signature Date  
Richard L. Byrne, Reg. No. 28,498 Total number of pages including cover sheet, attachments, and documents:   
 Name of Person Signing

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. \_\_\_\_\_

Attorney Docket No. 4293-072744

**ASSIGNMENT**

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

METHOD AND SYSTEM FOR DETERMINING BRAKE SHOE EFFECTIVENESS

(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 \_\_\_\_\_ (mm/dd/yyyy) and bears Application Number \_\_\_\_\_ (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 hereby authorize and request any attorney associated with The Webb Law Firm, Customer No. 28289, to insert here in parentheses (Application No. 12/102,196, filed 4/14/2008) the filing date and application number of said application when known.

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.

DOMESTIC

Application No. \_\_\_\_\_

Attorney Docket No. 4293-072744

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.

1. FULL NAME OF ASSIGNOR:  
Jason T. Connell

RESIDENCE:  
Bethel Park, PA

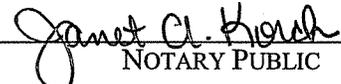
EXECUTED this 7 day of April, 2008

  
SIGNATURE

STATE of PENNSYLVANIA  
COUNTY of ALLEGHENY

On this 7<sup>th</sup> day of April, in the year 2008, before me Janet A. Korch,  
DAY MONTH YEAR NOTARY PUBLIC NAME  
a notary public, personally appeared Jason T. Connell,  
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

COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Janet A. Korch, Notary Public  
Wilmerding Boro, Allegheny County  
My Commission Expires Feb. 23, 2011

Member, Pennsylvania Association of Notaries

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

DOMESTIC

Application No. \_\_\_\_\_

Attorney Docket No. 4293-072744

2. FULL NAME OF ASSIGNOR:

M. Frank Wilson

RESIDENCE:

Cedar Rapids, IA

EXECUTED this 10 day of April, 2008

*M. Frank Wilson*

SIGNATURE

STATE of IOWA

COUNTY of LINN

On this 10<sup>th</sup> day of APRIL, in the year 2008, before me SANDRA M. HEEFNER

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 M. Heefner*  
NOTARY PUBLIC

S  
E  
A  
L

