

**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>															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Timothy J. Frashure</td> <td>04/10/2013</td> </tr> <tr> <td>Thomas J. Weed</td> <td>04/10/2013</td> </tr> <tr> <td>Craig S. Haehn</td> <td>03/22/2013</td> </tr> <tr> <td>Kirit A. Thakkar</td> <td>04/29/2013</td> </tr> <tr> <td>Julie A. Miller</td> <td>03/22/2013</td> </tr> <tr> <td>Daniel P. Zula</td> <td>04/15/2013</td> </tr> </tbody> </table>		Name	Execution Date	Timothy J. Frashure	04/10/2013	Thomas J. Weed	04/10/2013	Craig S. Haehn	03/22/2013	Kirit A. Thakkar	04/29/2013	Julie A. Miller	03/22/2013	Daniel P. Zula	04/15/2013
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<b>RECEIVING PARTY DATA</b>															
<b>Name:</b>	Bendix Commercial Vehicle Systems LLC														
<b>Street Address:</b>	901 Cleveland Street														
<b>City:</b>	Elyria														
<b>State/Country:</b>	OHIO														
<b>Postal Code:</b>	44035														
<b>PROPERTY NUMBERS Total: 1</b>															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td><b>Application Number:</b></td> <td>13852637</td> </tr> </tbody> </table>		Property Type	Number	<b>Application Number:</b>	13852637										
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<b>Application Number:</b>	13852637														
<b>CORRESPONDENCE DATA</b>															
<b>Fax Number:</b>	2163639001														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
<b>Phone:</b>	216-363-9000														
<b>Email:</b>	lboylan@faysharpe.com														
<b>Correspondent Name:</b>	FAY SHARPE LLP/BENDIX														
<b>Address Line 1:</b>	The Halle Building, 5th Floor														
<b>Address Line 2:</b>	1228 Euclid Avenue														
<b>Address Line 4:</b>	Cleveland, OHIO 44115														
<b>ATTORNEY DOCKET NUMBER:</b>	P-BCVS-2011-48/BEND33US01														

OP \$40.00 13852637

**502334071**

**PATENT  
 REEL: 030342 FRAME: 0478**

NAME OF SUBMITTER:	John M. Ling
Signature:	/John M. Ling/
Date:	05/03/2013
Total Attachments: 4 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif	

**ASSIGNMENT**

Whereas, I/We, **Timothy J. Frashure** of **23788 Emmons Rd.**, City of **Columbia Station**, County of **Cuyahoga**, State of **Ohio**, Postal Code **44028**, US; **Thomas J. Weed** of **37433 Freedom Ave.**, City of **North Ridgeville**, County of **Lorain**, State of **Ohio**, Postal Code **44039**, US; **Craig S. Haehn** of **97 Highland Ave.**, City of **Avon Lake**, County of **Lorain**, State of **Ohio**, Postal Code **44012**, US; **Kirit A. Thakkar** of **5205 Andover Dr.**, City of **Parma**, County of **Cuyahoga**, State of **Ohio**, Postal Code **44134**, US; **Julie A. Miller** of **3233 Pickett Road**, City of **Lorain**, County of **Lorain**, State of **Ohio**, Postal Code **44053**, US; and **Daniel P. Zula** of **38627 Misty Meadow**, City of **North Ridgeville**, County of **Lorain**, State of **Ohio**, Postal Code **44039**, US;

having invented certain new and useful improvements in:

**A METHOD TO DETECT MARGINALLY LARGE AIR GAPS ON HEAVY  
VEHICLE WHEEL SPEED SENSOR INSTALLATIONS**

- the specification of which is attached hereto
- the specification of which was filed with the U.S. Patent and Trademark Office on March 28, 2013 and accorded U.S. Application Serial No. 13/852,637.

in consideration of One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged, sell, assign, and transfer unto **BENDIX COMMERCIAL VEHICLE SYSTEMS LLC**, a Corporation of Ohio, having a principal place of business at:

901 Cleveland Street  
Elyria, Ohio 44035 US

the full and exclusive right, title, and interest in and to the said invention in the United States and its territorial possessions, and in all foreign countries with all rights under the International Convention including the right to claim priority, and the entire and exclusive right, title, and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries, and in and to any and all divisions, reissues, continuations, and extensions thereof.

I/We therefore authorize and request the Patent Office officials in the United States and in any and all foreign countries to issue any and all Letters Patent when granted, solely to the said:

**BENDIX COMMERCIAL VEHICLE SYSTEMS LLC**

for its sole use, and that of its successors, and assigns.

Signed at ELYRIA, Ohio on this 10 day of April, 2013.

Timothy J. Frashure  
Timothy J. Frashure

STATE OF OHIO )  
 ) : SS  
COUNTY OF Lorain )

Personally appeared before me this day, **Timothy J. Frashure**, to me personally known, who acknowledged that he signed the foregoing instrument for the uses and purposes therein mentioned, and that the same is his free act and deed.

In testimony whereof, I have hereunto set my hand and affixed my seal, this 10<sup>th</sup> day of April, 2013.

Carol A. Priddy  
Notary Public  
CAROL A. PRIDDY  
NOTARY PUBLIC - STATE OF OHIO  
MY COMMISSION EXPIRES: 8/29/15

(Seal)

Signed at ELYRIA, Ohio on this 10 day of April, 2013.

Thomas J. Weed  
Thomas J. Weed

STATE OF OHIO )  
 ) : SS  
COUNTY OF Lorain )

Personally appeared before me this day, **Thomas J. Weed**, to me personally known, who acknowledged that he signed the foregoing instrument for the uses and purposes therein mentioned, and that the same is his free act and deed.

In testimony whereof, I have hereunto set my hand and affixed my seal, this 10<sup>th</sup> day of April, 2013.

Carol A. Priddy  
Notary Public  
CAROL A. PRIDDY  
NOTARY PUBLIC - STATE OF OHIO  
MY COMMISSION EXPIRES: 8/29/15

(Seal)

Signed at ELYRIA, Ohio on this 22 day of MARCH, 2013.

Craig S. Haehn  
Craig S. Haehn

STATE OF OHIO )  
 ) : SS  
COUNTY OF Lorain )

Personally appeared before me this day, **Craig S. Haehn**, to me personally known, who acknowledged that he signed the foregoing instrument for the uses and purposes therein mentioned, and that the same is his free act and deed.

In testimony whereof, I have hereunto set my hand and affixed my seal, this 22 day of March, 2013.

Carol A. Priddy  
Notary Public  
CAROL A. PRIDDY  
NOTARY PUBLIC - STATE OF OHIO  
MY COMMISSION EXPIRES: 8/29/15

(Seal)

Signed at ELYRIA, Ohio on this 29 day of APRIL, 2013.

Kirit Thakkar  
Kirit A. Thakkar

STATE OF OHIO )  
 ) : SS  
COUNTY OF Lorain )

Personally appeared before me this day, **Kirit A. Thakkar**, to me personally known, who acknowledged that he signed the foregoing instrument for the uses and purposes therein mentioned, and that the same is his free act and deed.

In testimony whereof, I have hereunto set my hand and affixed my seal, this 29<sup>th</sup> day of April, 2013.

Carol A. Priddy  
Notary Public  
CAROL A. PRIDDY  
NOTARY PUBLIC - STATE OF OHIO  
MY COMMISSION EXPIRES: 8/29/15

(Seal)

Signed at Elyria, Ohio on this 22 day of March, 20 13.

Julie A. Miller  
Julie A. Miller

STATE OF OHIO )  
 ) : SS  
COUNTY OF Lorain )

Personally appeared before me this day, **Julie A. Miller**, to me personally known, who acknowledged that she signed the foregoing instrument for the uses and purposes therein mentioned, and that the same is her free act and deed.

In testimony whereof, I have hereunto set my hand and affixed my seal, this 22 day of March, 20 13.

Carol A. Priddy  
Notary Public  
CAROL A. PRIDDY  
NOTARY PUBLIC - STATE OF OHIO  
MY COMMISSION EXPIRES: 8/29/15

(Seal)

Signed at ELYRIA, Ohio on this 15th day of APRIL, 20 13.

Daniel P. Zula  
Daniel P. Zula

STATE OF OHIO )  
 ) : SS  
COUNTY OF Lorain )

Personally appeared before me this day, **Daniel P. Zula**, to me personally known, who acknowledged that he signed the foregoing instrument for the uses and purposes therein mentioned, and that the same is his free act and deed.

In testimony whereof, I have hereunto set my hand and affixed my seal, this 15th day of April, 20 13.

Carol A. Priddy  
Notary Public  
CAROL A. PRIDDY  
NOTARY PUBLIC - STATE OF OHIO  
MY COMMISSION EXPIRES: 8/29/15

(Seal)