PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2861087

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| MARSHALL G. BECK | 05/15/2014 |
| BRYAN M. MCLAUGHLIN | 05/13/2014 |

RECEIVING PARTY DATA

| Name: | NEW YORK AIR BRAKE, LLC | |
|-----------------|-------------------------|--|
| Street Address: | 748 STARBUCK AVENUE | |
| City: | WATERTOWN | |
| State/Country: | NEW YORK | |
| Postal Code: | 13601 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14281086 |

CORRESPONDENCE DATA

Fax Number: (315)218-8100

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.

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Correspondent Name: BOND, SCHOENECK & KING, PLLC

Address Line 1: ONE LINCOLN CENTER

Address Line 4: SYRACUSE, NEW YORK 13202-1355

| ATTORNEY DOCKET NUMBER: | 777P1157H |
|--|------------|
| NAME OF SUBMITTER: DAVID L. NOCILLY | |
| SIGNATURE: /David L. Nocilly/ | |
| DATE SIGNED: | 05/19/2014 |
| This document serves as an Oath/Declaration (37 CFR 1.63). | |

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PATENT REEL: 032924 FRAME: 0007

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PATENT APPLICATION

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN
APPLICATION USING AN APPLICATION DATA SHEET
AND ASSIGNMENT

ATTORNEY DOCKET NO.
777P1157H

DECLARATION UNDER 37 CFR 1.63

| DECLARATION UNDER 37 CFR 1.63 | | |
|-------------------------------|---|--|
| Title of Inven | tion: ON-BOARD BRAKE SYSTEM DIAGNOSTIC AND REPORTING SYSTEM | |
| As a below na | med inventor, I hereby declare that: | |
| This declaration | on is directed to: | |
| <u>X</u> | The attached application, or | |
| ***************** | United States application or PCT international application number | |

The above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above.

I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application

I hereby acknowledge that any willful false statement made in this declaration is punishable under 16 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

ASSIGNMENT

WHEREAS, the undersigned inventor(s) has/have made certain new inventions and/or useful improvements in the above-identified application for Letters Patent which is being or has been filed with the United States Patent and Trademark Office.

WHEREAS, New York Air Brake LLC, a limited liability company duly organized and existing under the laws of the State of Delaware and having a principal place of business at 748 Starbuck Avenue, Watertown, New York 13601, United States of America ("Assignee"), is desirous of acquiring my entire right, title and interest in the same

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration to me in hand paid, the receipt of which is hereby duly and fully acknowledged, Assignors, Marshall G. Beck and Bryan M. McLaughlin, have sold and BY THESE PRESENTS do sell, assign, transfer and set over unto Assignee, New York Air Brake LLC, our entire right, title and interest in and to the aforesaid application for Letters Patent, including all divisionals, continuations, reissues, reexaminations, and all foreign patents thereof.

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REEL: 032924 FRAME: 0008

| T 137 C | | |
|--|---|---|
| Legal Name of | Manakali C. Dauk | |
| Inventor: | Marshall G. Beck | |
| 2 | GJ Bul. | 5/15/2014 |
| Inventor's Signat | ure | Date |
| Residing at: | 46779 Tennis Island Road | |
| · · | Fineview, New York 13640 | |
| personally appeared individual(s) whose his/her/their capacity | ferson) ss.: th day of May in the yea Marshall G. Beck personally known to m name(s) is (are) subscribed to the within ins | ar 2014 before me, the undersigned, a notary public in and for said State, e or proved to me on the basis of satisfactory evidence to be the strument and acknowledged to me that he/she/they executed the same in on the instrument, the individual(s) or the person upon behalf of which the Notary Public My commissioner pires 4/34/15 |

REEL: 032924 FRAME: 0009

| Inventor's Signature Residing at: 727 Cadwell Street Watertown, NY 13601 STATE OF NEW YORK On the 3th day of May in the year 2014 before me, the undersigned, a notary public in and for said State, personally appeared Bryan M. McLaughlin personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s) or the person upon behalf of which the individual(s) acted, executed this instrument. | Legal Name of Inventor: Br | yan/M. McLaughlin | 5/13/14 |
|--|---|---|---|
| Watertown, NY 13601 STATE OF NEW YORK On the day of may in the year 2014 before me, the undersigned, a notary public in and for said State, personally appeared Brvan M. McLaughlin personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s) or the person upon behalf of which the individual(s) acted, executed this instrument. Notary Public | 9 | | Date |
| STATE OF NEW YORK COUNTY OF Jefferson ss.: On the 3th day of May in the year 2014 before me, the undersigned, a notary public in and for said State, personally appeared Brvan M. McLaughlin personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s) or the person upon behalf of which the individual(s) acted, executed this instrument. | Residing at: 727 Cad | well Street | |
| On the day of May in the year 2014 before me, the undersigned, a notary public in and for said State, personally appeared Brvan M. McLaughlin personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s) or the person upon behalf of which the individual(s) acted, executed this instrument. | Watertov | vn, NY 13601 | |
| my commission expires | On the day of personally appeared Bryan M. Mo individual(s) whose name(s) is (are his/her/their capacity(ies), and that | in the year 2014 before me, the und Laughlin personally known to me or proved to me on subscribed to the within instrument and acknowledge by his/her/their signature(s) on the instrument, the indi- | the basis of satisfactory evidence to be the d to me that he/she/they executed the same in vidual(s) or the person upon behalf of which the |

RECORDED: 05/19/2014

REEL: 032924 FRAME: 0010