

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

Assignment ID: PATI3332

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Balanced Engineering Solution, LLC	02/01/2024
RECEIVING PARTY DATA	
Company Name:	NVH Technology LLC
Street Address:	190 West Lincoln Highway
City:	Coatesville,
State/Country:	PENNSYLVANIA
Postal Code:	19320
PROPERTY NUMBERS Total: 10	
Property Type	Number
Application Number:	16557154
Application Number:	17221139
Application Number:	17704493
PCT Number:	US2044692
Application Number:	17670664
PCT Number:	US2312658
Application Number:	17952782
PCT Number:	US2332824
Application Number:	17952787
Application Number:	18233541
CORRESPONDENCE DATA	
Fax Number:	2159651331
<i>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.</i>	
Phone:	2159651330
Email:	mray@panitchlaw.com,docketing@panitchlaw.com
Correspondent Name:	Melinda Ray
Address Line 1:	Panitch Schwarze Belisario & Nadel LLP
Address Line 2:	Two Commerce Square, 2001 Market Street, Suite 2800
Address Line 4:	Philadelphia, PENNSYLVANIA 19103
NAME OF SUBMITTER:	Melinda Ray

PATENT

SIGNATURE:	Melinda Ray
DATE SIGNED:	02/05/2024
Total Attachments: 4 source=NVH TECHNOLOGY LLC - PATENT ASSIGNMENT_EXECUTED#page1.tif source=NVH TECHNOLOGY LLC - PATENT ASSIGNMENT_EXECUTED#page2.tif source=NVH TECHNOLOGY LLC - PATENT ASSIGNMENT_EXECUTED#page3.tif source=NVH TECHNOLOGY LLC - PATENT ASSIGNMENT_EXECUTED#page4.tif	

PATENT ASSIGNMENT

WHEREAS, **Balanced Engineering Solution, LLC** having an address at 721 Hickory Lot Rd., Towson, Maryland 21286 (hereinafter referred to as “ASSIGNOR”), is the owner of the patent properties and inventions listed in Schedule A; and

WHEREAS, **NVH Technology LLC** having an address at 190 West Lincoln Highway, Coatesville, Pennsylvania 19320 (hereinafter referred to as “ASSIGNEE”), is desirous of acquiring the entire right, title and interest in, to and under said patent properties and the inventions of Schedule A throughout the United States and the world.

FOR GOOD and VALUABLE CONSIDERATION, the full receipt and sufficiency of which are hereby acknowledged, ASSIGNOR, intending to be legally bound, does hereby:

SELL, ASSIGN, TRANSFER and CONVEY to ASSIGNEE the whole and entire right, title and interest for the United States and its possessions and territories and all foreign countries in and to the patent properties of Schedule A, and, in and to any and all patent applications related thereto including, but not limited to, all provisionals, non-provisionals, divisionals, continuations, continuations-in-part, substitutes, reexaminations, reissues and all other applications for patent which have been or shall be filed in the United States and all foreign countries on the patent properties of Schedule A; all original, reissued and reexamined patents and extensions thereof which have been or shall be issued in the United States and all foreign countries on the patent properties of Schedule A to the full end of the term or terms for which the patent(s) may be granted, as fully and entirely as the same would have been held by the undersigned ASSIGNOR had this Assignment not been made; and specifically including all rights of priority created by the patent properties of Schedule A under any treaty, convention or law relating thereto; together with all claims for damages by reason of past infringement of the Letters Patent of Schedule A with the right to sue for and collect the same for its own use and behoof or for the use and behoof of its legal representatives;

AUTHORIZES and REQUESTS the issuing authority to issue any and all United States and foreign patents granted on the patent properties of Schedule A to ASSIGNEE;

WARRANTS and REPRESENTS that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by ASSIGNOR, and that the full right to convey the same as herein expressed is possessed by ASSIGNOR;

AGREES and UNDERTAKES, when requested and at the expense of ASSIGNEE, to carry out in good faith the intent and purpose of this Assignment, ASSIGNOR will execute all non-provisionals, divisionals, continuations, continuations-in-part, substitutes, reexaminations, reissues, and all other patent applications on the patent properties of Schedule A; execute all lawful oaths, declarations, assignments, powers of attorney and other papers; communicate to ASSIGNEE all facts known to ASSIGNOR relating to the patent properties of Schedule A and the history thereof; and generally do everything possible which ASSIGNEE shall consider desirable for vesting title to the patent properties of Schedule A in ASSIGNEE, and for securing, maintaining and enforcing proper patent protection for the patent properties of Schedule A; all without further compensation to ASSIGNOR;

AGREES to hold in trust, keep confidential, not make use of, and not disclose or reveal to any third party said inventions and patent applications in Schedule A that are not yet published, without ASSIGNEE'S prior written consent.

TO BE BINDING on the heirs, assigns, representatives and successors of ASSIGNOR and extending to the successors, assigns, and nominees of ASSIGNEE.

By: **Balanced Engineering Solution, LLC**
(ASSIGNOR)

2/01/24
Date

Thomas C Brennan
Printed name: Thomas C. Brennan, Jr.
Title: Principal

By: **NVH Technology LLC (ASSIGNEE)**

2/01/24
Date

Thomas C Brennan
Printed name: Thomas C. Brennan, Jr.
Title: Principal

SCHEDULE A

Country	Patent property (PSBN File No./Application/ Publication or Patent Number	Filing Date/Publication Date or Issue Date	Title	Status
Canada	689387-1CA 3149432	August 3, 2020 (filing date-same as 1WO PCT) March 4, 2021 (publication date- same as 1WO PCT)	APPARATUS FOR MEASURING IMBALANCE FORCES OF A TIRE/HUB ASSEMBLY OF A VEHICLE DURING MOTION OF THE VEHICLE	Pending
Europe (EPC)	689387-1EP 20856396.5 402276	August 3, 2020 (filing date-same as 1WO PCT) July 6, 2022 (publication date)	APPARATUS FOR MEASURING IMBALANCE FORCES OF A TIRE/HUB ASSEMBLY OF A VEHICLE DURING MOTION OF THE VEHICLE	Pending
India	689387-1IN 202217009721 202217009721A	August 3, 2020 (filing date-same as 1WO PCT) April 22, 2022 (publication date)	APPARATUS FOR MEASURING IMBALANCE FORCES OF A TIRE/HUB ASSEMBLY OF A VEHICLE DURING MOTION OF THE VEHICLE	Pending
U.S.	689387-1US 16/557,154 10,969,292	August 30, 2019 (filing date) April 6, 2021 (issue date)	APPARATUS FOR MEASURING IMBALANCE FORCES OF A TIRE/HUB ASSEMBLY OF A VEHICLE DURING MOTION OF THE VEHICLE	Issued
U.S.	689387-1U1 17/221,139 11,287,348	April 2, 2021 (filing date) March 29, 2022 (issue date)	APPARATUS AND METHOD FOR MEASURING IMBALANCE FORCES OF A TIRE/HUB ASSEMBLY OF VEHICLE DURING MOTION OF THE VEHICLE	Issued
U.S.	689387-1U2 17/704,493 US-2022-0283049- A1	March 25, 2022 (filing date) September 8, 2022 (publication date)	METHOD FOR MEASURING IMBALANCE FORCES OF A TIRE/HUB ASSEMBLY OF VEHICLE DURING MOTION OF THE VEHICLE	Pending
PCT	689387-1WO PCT/US20/44692 WO 2021/040968	August 3, 2020 (filing date) March 4, 2021 (publication date)	APPARATUS FOR MEASURING IMBALANCE FORCES OF A TIRE/HUB ASSEMBLY OF A VEHICLE DURING MOTION OF THE VEHICLE	Pending

U.S.	689387-4US 17/670,664 11,480,491	February 14, 2022 (filing date) October 25, 2022 (issue date)	METHOD FOR DETERMINING VIBRATIONAL ANOMALIES OF A VEHICLE	Issued
PCT	689387-4WO PCT/US23/12658 WO 2023/154363	February 9, 2023 (filing date) August 17, 2023 (publication date)	METHOD FOR DETERMINING VIBRATIONAL ANOMALIES OF A VEHICLE	Pending
U.S.	689387-9US 17/952,782 11,656,156	September 26, 2022 (filing date) May 23, 2023 (issue date)	AXLE-MOUNTED SENSOR CUFF APPARATUS FOR DETERMINING ANOMALIES ASSOCIATED WITH A RAILCAR WHEELSET, OR A RAILCAR BOGIE ASSEMBLY THAT THE RAILCAR WHEELSET IS PART OF, OR A TRACK	Issued
PCT	689389-9WO PCT/US23/32824	September 15, 2023 (filing date)	AXLE-MOUNTED SENSOR CUFF APPARATUS AND WHEEL- MOUNTED SENSOR RING APPARATUS FOR DETERMINING ANOMALIES ASSOCIATED WITH A RAILCAR WHEELSET, OR A RAILCAR BOGIE ASSEMBLY THAT THE RAILCAR WHEELSET IS PART OF, OR A TRACK	Pending
U.S.	689387-10US 17/952,787 11,731,673	September 26, 2022 (filing date) August 2, 2023 (issue date)	WHEEL-MOUNTED SENSOR RING APPARATUS FOR DETERMINING ANOMALIES ASSOCIATED WITH A RAILCAR WHEELSET, OR A RAILCAR BOGIE ASSEMBLY THAT THE RAILCAR WHEELSET IS PART OF, OR A TRACK	Issued
U.S.	689387-10U1 18/233,541	August 14, 2023 (filing date)	AXLE-MOUNTED SENSOR CUFF ASSEMBLY AND WHEEL-MOUNTED SENSOR RING APPARATUS FOR DETERMINING ANOMALIES ASSOCIATED WITH A RAILCAR WHEELSET, OR A RAILCAR BOGIE ASSEMBLY THAT THE RAILCAR WHEELSET IS PART OF, OR A TRACK	Pending