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| PATENT ASSIGNMENT COVER SHEET |
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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| SIBU VARUGHESE | 08/19/2020 |
| MARTIN NESPOLO | 08/19/2020 |
| THOMAS KRZYZAK | 08/19/2020 |
| GARETH WEBB | 08/19/2020 |
| WILSON YIM | 08/19/2020 |
| MATTHEW JOHNSON | 08/19/2020 |

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| Postal Code: | 48033-5244 |

PROPERTY NUMBERS Total: 7

| Property Type | Number |
|---------------------|----------|
| Application Number: | 17218477 |
| Application Number: | 17218488 |
| Application Number: | 17218580 |
| Application Number: | 17218513 |
| Application Number: | 17218526 |
| Application Number: | 17218538 |
| Application Number: | 17218554 |

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ATTORNEY DOCKET NUMBER: 4041A-734-738, 741-742

NAME OF SUBMITTER: MICHAEL P. DOERR

SIGNATURE: / Michael P. Doerr /

DATE SIGNED: 03/31/2021

Total Attachments: 2

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ASSIGNMENT

The undersigned acknowledges that this document is being used as an assignment of the invention for the Provisional Applications entitled:

- 1. PASSENGER CABIN AIR CONTROL SYSTEMS AND METHODS**
- 2. DIAGNOSTIC AND RECIRCULATION CONTROL SYSTEMS AND METHODS**
- 3. HUMIDITY CONTROL FOR OLFACTION SENSORS**
- 4. DIAGNOSTIC SYSTEMS AND METHODS OF VEHICLES USING OLFACTION**
- 5. PARTICULATE CONTROL SYSTEMS AND METHODS FOR OLFACTION SENSORS**
- 6. BINDING AGENT AND OLFACTION SENSOR**
- 7. VEHICLE FEATURE CONTROL SYSTEMS AND METHODS BASED ON SMOKING**
- 8. SMOKING CESSATION SYSTEMS AND METHODS**
- 9. OLFACTION SENSOR PRESERVATION SYSTEMS AND METHODS**
- 10. SYSTEMS AND METHODS FOR MEASURING AND MANAGING ODOR BROUGHT INTO RENTAL VEHICLES**
- 11. SYSTEMS AND METHODS FOR IDENTIFYING SMOKING IN VEHICLES**

For good and valuable consideration, the receipt and adequacy whereof I hereby acknowledge, I hereby confirm any prior assignment to **DENSO International America Inc.**, 24777 Denso Drive, P.O. Box 5047, Southfield, MI 48033-5244, USA (hereinafter "Assignee"), and to the extent that I have not already done so, agree to assign, and hereby do, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the above-identified applications, to the above-identified applications themselves, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from any of the above-identified applications, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid applications and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by me had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights.

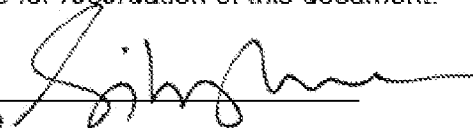
I hereby covenant and agree to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, any derivation proceedings relating thereto, and as to Letters Patent any supplemental examination,

derivation proceeding, opposition, post grant review, reissue, re-examination, inter partes review, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the inventions, the United States applications for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth.

I hereby covenant that I have not made and will not make any assignment, sale, license, agreement or encumbrance which would conflict with this Declaration and Assignment.

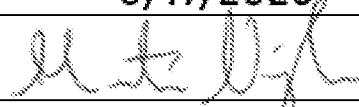
I hereby request the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and request that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

I hereby grant the patent attorneys at DENSO International America Inc., Intellectual Property Department, the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.


Sibu Varughese

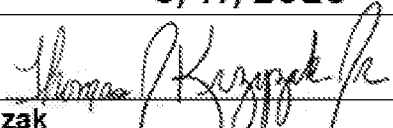
8/19/2020

Dated


Martin Nespolo

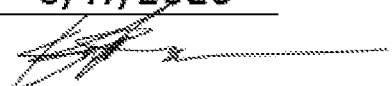
8/19/2020

Dated


Thomas Krzyzak

8/19/2020

Dated


Gareth Webb

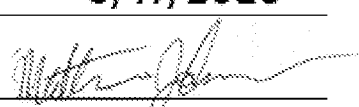
8/19/2020

Dated


Wilson Yim

8/19/2020

Dated


Matthew Johnson

8/19/2020

Dated