

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| NISSAN NORTH AMERICA, INC. | 01/24/2023 |
| RECEIVING PARTY DATA | |
| Name: | NISSAN MOTOR CO., LTD. |
| Street Address: | 2, TAKARA-CHO, KANAGAWA-KU |
| City: | YOKOHAMA-SHI, KANAGAWA |
| State/Country: | JAPAN |
| Postal Code: | 221-0023 |
| PROPERTY NUMBERS Total: 19 | |
| Property Type | Number |
| Patent Number: | 11378952 |
| Patent Number: | 11377123 |
| Patent Number: | 11394048 |
| Patent Number: | 11403954 |
| Patent Number: | 11417903 |
| Patent Number: | 11420466 |
| Patent Number: | 11444285 |
| Patent Number: | 11458429 |
| Patent Number: | 11460841 |
| Patent Number: | 11465467 |
| Patent Number: | 11495860 |
| Patent Number: | 11500380 |
| Patent Number: | 11499356 |
| Patent Number: | 11511691 |
| Patent Number: | 11518311 |
| Patent Number: | 11518402 |
| Patent Number: | 11522213 |
| Patent Number: | 11539052 |
| Patent Number: | 11535141 |

CORRESPONDENCE DATA**Fax Number:** (248)649-3338

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.

Phone: (248) 649-3333**Email:** docketing@youngbasile.com**Correspondent Name:** YOUNG BASILE HANLON & MACFARLANE, P.C.**Address Line 1:** 3001 WEST BIG BEAVER RD.**Address Line 2:** SUITE 624**Address Line 4:** TROY, MICHIGAN 48084

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|--------------------------------|-------------------|
| ATTORNEY DOCKET NUMBER: | NNA2-010 |
| NAME OF SUBMITTER: | FRANCINE B. NESTI |
| SIGNATURE: | /Francine Nesti/ |
| DATE SIGNED: | 01/30/2023 |

Total Attachments: 2

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ASSIGNMENT

THIS ASSIGNMENT ("Assignment") is entered into as of JANUARY 24, 2023. NISSAN NORTH AMERICA, INC., a Delaware corporation having a place of business at One Nissan Way, Franklin, Tennessee 37067 USA ("Assignor") assigns in favor of NISSAN MOTOR CO., LTD., a Japanese corporation having a place of business at 2 Takara-cho, Kanagawa-ku, Yokohama-shi, Kanagawa 221-0023 JAPAN ("Assignee").

WHEREAS, Assignor is the owner of record of the following patent(s) issued in the United States ("Patent(s)");

| Patent No. | Title | Issue Date |
|------------|---|-------------|
| 11,378,952 | Autonomous Vehicle Remote Support Mapping Interface | 05-Jul-2022 |
| 11,377,123 | Solution Path Overlay Interfaces for Autonomous Vehicles | 05-Jul-2022 |
| 11,394,048 | Regenerated Lithium-Ion Cathode Materials Having Modified Surfaces | 19-Jul-2022 |
| 11,403,954 | Computing Framework for Batch Routing of Autonomous Vehicles | 02-Aug-2022 |
| 11,417,903 | Electrode-Based Reformer for Solid Oxide Electrochemical Devices | 16-Aug-2022 |
| 11,420,466 | Clad-Style Vehicle Wheel Including a Variable Height Rim | 23-Aug-2022 |
| 11,444,285 | Three-Dimensional Anode Current Collector for Lithium Batteries | 13-Sep-2022 |
| 11,458,429 | Air Filter Wear Level Estimation and Replacement Timing Prediction Method | 04-Oct-2022 |
| 11,460,841 | Remote Operation Extending an Existing Route to a Destination | 04-Oct-2022 |
| 11,465,467 | Apparatus and Methods for Inhibiting the Ingestion of Suds by the HVAC System of a Vehicle | 11-Oct-2022 |
| 11,495,860 | Supercapacitor Housing for Battery Packs | 08-Nov-2022 |
| 11,500,380 | Autonomous Vehicle Operational Management Including Operating A Partially Observable Markov Decision Process Model Instance | 15-Nov-2022 |
| 11,499,356 | Vehicle Window Regulator with Window Protection System | 15-Nov-2022 |
| 11,511,691 | Energy Absorber for Sensor Protection | 29-Nov-2022 |
| 11,518,311 | Vehicle Running Boards with Removable Steps | 06-Dec-2022 |
| 11,518,402 | System and Method for Controlling a Vehicle Using Contextual Navigation Assistance | 06-Dec-2022 |
| 11,522,213 | Coating Material for Cathode Active Material in Lithium Batteries | 06-Dec-2022 |

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| 11,539,052 | Metal-Based Solid Oxide Electrochemical Devices | 27-Dec-2022 |
| 11,535,141 | Universal Cup Holder Adapter for Vehicles Including Temperature Control Feature | 27-Dec-2022 |

NOW, THEREFORE, in consideration of the foregoing and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Assignor hereby agrees as follows:

1. Assignment. Assignor hereby sells, assigns, and transfers, unto Assignee, its successors and assigns, the full and exclusive right, title, and interest throughout the world in and to the Patent(s), including any certificate of correction, reexamination or reissue applications (and any patents issuing thereon) or extensions thereof, to the full end of the term or terms for which such Patent(s) may be granted as fully and entirely as would have been held and enjoyed by Assignor had this Assignment not been made, together with the right to sue for past infringement.

2. Further Assurances. Assignor shall execute or have executed and deliver, upon request by Assignee, all lawful papers reasonably necessary to evidence, protect or perfect the ownership rights transferred to Assignee hereunder, including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations, depositions. Assignor shall provide all reasonable assistance to Assignee, its successors and assigns, in obtaining and enforcing proper title in and protection for such invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

IN WITNESS WHEREOF, Assignor has executed this Assignment as of the date first written above.

NISSAN NORTH AMERICA, INC.

By: 

Name: Paul Peruski

Title: Senior Director