

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NEIL T. MOLONEY	09/02/2021
SHOHEI NOMURA	08/30/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TOYOTA MOTOR ENGINEERING & MANUFACTURING NORTH AMERICA, INC.
<b>Street Address:</b>	6565 HEADQUARTERS DRIVE W-1-3C
<b>City:</b>	PLANO
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	75024
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17471434
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(214)200-0853
<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>	
<b>Phone:</b>	214-651-5000
<b>Email:</b>	ipdocketing@haynesboone.com
<b>Correspondent Name:</b>	HAYNES AND BOONE, LLP IP SECTION
<b>Address Line 1:</b>	2323 VICTORY AVENUE
<b>Address Line 2:</b>	SUITE 700
<b>Address Line 4:</b>	DALLAS, UNITED STATES 75219
<b>ATTORNEY DOCKET NUMBER:</b>	57151.67US01/IP-A-5364
<b>NAME OF SUBMITTER:</b>	MARIA TEDESCO
<b>SIGNATURE:</b>	/Maria Tedesco/
<b>DATE SIGNED:</b>	09/10/2021
<b>Total Attachments: 3</b>	
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**ASSIGNMENT**

WHEREAS, Neil T. Moloney and Shohei Nomura, each an inventor of the invention in **OPTICAL COMMUNICATION SYSTEM FOR MANAGEMENT OF VEHICLE BATTERIES**, for which an application for a Patent of the United States was filed on **September 10**, 2021, as **U.S. Application No. 17/471,434**, and ASSIGNOR authorizes and requests the attorneys appointed in said application(s) to hereafter complete this assignment by inserting above the filing date and serial number of said application when known;

WHEREAS, **TOYOTA MOTOR ENGINEERING & MANUFACTURING NORTH AMERICA, INC.** (ASSIGNEE), with offices located at 6565 Headquarters Drive W1-3C, Plano, Texas 75024, is desirous of obtaining each inventor's entire right, title, and interest in, to and under said invention, the said application and corresponding applications worldwide;

NOW, THEREFORE, in exchange for good and valuable consideration to the inventor, the receipt and sufficiency of which is hereby acknowledged, the ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, his or her entire, worldwide right, title and interest in, to and under the invention, including the above United States non-provisional application embodying the invention or any other United States application to which priority is claimed under 35 U.S.C. § 119 and to any application to which priority is claimed, or claiming priority to the application noted above, under 35 U.S.C. § 120, including all divisions, continuations, and continuations-in-part thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries other than the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for the invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof, the same to be held and enjoyed by the ASSIGNEE, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the ASSIGNOR had this sale and assignment not been made;

And ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

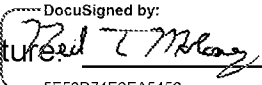
And ASSIGNOR hereby covenants and agrees that he or she has the full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement in conflict herewith;

And ASSIGNOR hereby further covenants and agrees that he or she will communicate to the ASSIGNEE, its successors, legal representatives and assigns, any facts known to him or her respecting said invention, testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the ASSIGNEE or, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

And ASSIGNOR hereby authorizes the ASSIGNEE's patent attorney to complete this form by the addition of the application number, application filing date, and attorney docket number, if necessary.

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Full name of inventor: Neil T. Moloney

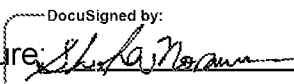
Inventor Signature  Date: 9/2/2021  
DocuSigned by:  
5E50D74E2EA5456...

Residence: Oak Park Michigan/United States  
City State/Country

Post Office Address: 23220 Meadowlark Street  
Oak Park, MI 48237

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Full name of inventor: Shohei Nomura

Inventor Signature:  Date: 8/30/2021

Residence: Ann Arbor Michigan/United States  
City State/Country

Post Office Address: 2246 Pine Grove Court  
Ann Arbor, MI 48103