

## 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>
HIROAKI IIDA	11/16/2021
SHOGO TOKITA	12/14/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HITACHI ASTEMO, LTD.
<b>Street Address:</b>	2520, TAKABA
<b>City:</b>	HITACHINAKA-SHI, IBARAKI
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	312-8503
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17619835
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(216)566-9711
<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>	2165669700
<b>Email:</b>	almasy@rankinhill.com
<b>Correspondent Name:</b>	RANKIN HILL AND CLARK LLP
<b>Address Line 1:</b>	38210 GLENN AVENUE
<b>Address Line 4:</b>	WILLOUGHBY, OHIO 44094
<b>ATTORNEY DOCKET NUMBER:</b>	SHM-51872
<b>NAME OF SUBMITTER:</b>	DAVID E. SPAW
<b>SIGNATURE:</b>	/David E. Spaw/
<b>DATE SIGNED:</b>	12/16/2021
<b>Total Attachments: 2</b>	
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## ASSIGNMENT

WHEREAS, new and useful improvements have been made by the undersigned in

### POWER CONVERSION DEVICE

that are the subject of an application for a U.S. Patent, (Application No. 17/619835,  
filed December 16, 2021), which application is further identified as Rankin, Hill & Clark  
LLP Docket No. SHM-51872.

WHEREAS, HITACHI ASTEMO, LTD., a corporation of Japan, and having a place of  
business at 2520 Takaba, Hitachinaka-shi, Ibaraki, 312-8503, Japan, hereinafter  
referred to as "assignee", is desirous of acquiring all right, title, and interest throughout  
the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and  
sufficiency of which are hereby acknowledged, all right, title, and interest, in the United  
States and throughout the world, in, to and under said improvements and inventions  
and all patents, patent applications, patent rights, and inventor's certificates thereof,  
therefor, and therein, including without limitation said application for patent in the United  
States, all divisions and continuations thereof, all patents which may be granted  
thereon, all reissues and extensions thereof, all right to sue for past infringement  
thereunder, all patents which may be granted for said improvements and inventions by  
states or nations other than the United States, or by other authority, entity, or  
organization, and all applications therefor, have been and are hereby sold, assigned,  
transferred, and delivered unto assignee, its successors and assigns; and it is  
covenanted and agreed by the undersigned, and for executors, administrators, and  
legal representatives of the undersigned, that at assignee's request any and all  
applications, affidavits, assignments, and other instruments will be made, executed,  
and delivered as may be necessary, or desirable to secure for or vest in assignee, its  
successors or assigns, any improvement, inventions, right, title, interest, application,  
patent, patent right or other right or property covered by this assignment, and the  
United States Commissioner of Patents and Trademarks is hereby requested and  
authorized to issue any and all United States patents granted on any of said  
applications to assignee as owner of the entire right, title, and interest in, to, and under  
the same, and appropriately empowered officials of foreign countries are hereby  
authorized to issue any letters patent granted on any of said applications to assignee as  
owner of the entire right, title and interest in, to, and under the same.

The undersigned hereby grants the firm of Rankin, Hill & Clark LLP the power to insert  
on this assignment any further identification which may be necessary or desirable in  
order to comply with the rules of the United States Patent and Trademark Office for  
recording of this document.

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

(1) Inventor Name (sole): Hiroaki IIDA

Signature: Hiroaki IIDA

Today's Date: November 16 2021

Witness: \_\_\_\_\_

Witness: \_\_\_\_\_

(2) Inventor Name (joint): Shogo TOKITA

Signature: Shogo TOKITA

Today's Date: December 14 2021

Witness: \_\_\_\_\_

Witness: \_\_\_\_\_

(3) Inventor Name (joint):

Signature: \_\_\_\_\_

Today's Date: \_\_\_\_\_

Witness: \_\_\_\_\_

Witness: \_\_\_\_\_