

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7845212

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
GAOHUA ZHU	04/01/2020
TOM SHIEH	04/01/2020
SWETHA MINUPURI	03/14/2023
EVAN FLEMING	03/14/2023
DEBASISH BANERJEE	03/12/2023
RECEIVING PARTY DATA	
Name:	TOYOTA MOTOR ENGINEERING & MANUFACTURING NORTH AMERICA, INC.
Street Address:	6565 HEADQUARTERS DRIVE
Internal Address:	W1-3C
City:	PLANO
State/Country:	TEXAS
Postal Code:	75024
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16839732
CORRESPONDENCE DATA	
Fax Number:	(202)683-6783
<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:	12026839317
Email:	ebeasterfield@jordaniplaw.com, admin@jordaniplaw.com
Correspondent Name:	JORDAN IP LAW, LLC
Address Line 1:	12501 PROSPERITY DRIVE
Address Line 2:	SUITE 401
Address Line 4:	SILVER SPRING, MARYLAND 20904
ATTORNEY DOCKET NUMBER:	IP-A-4277/8010-6098US
NAME OF SUBMITTER:	DIALLO T. CRENSHAW
SIGNATURE:	/Diallo T. Crenshaw /
DATE SIGNED:	03/14/2023

Total Attachments: 3

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ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s):

Gaohua Zhu; Tom Shieh; Swetha Minupuri; Evan Fleming; Debasish Banerjee

hereby sell, assign, and transfer to:

Toyota Motor Engineering and Manufacturing North America, Inc.

a corporation of Texas, having a principal place of business at 6565 Headquarters Drive, Plano, Texas, 75024, USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all other countries, in and to any and all inventions and improvements that are disclosed in the application for the patent entitled:

HEAT PIPE SEPARATOR FOR FUEL CELL ASSEMBLY THERMAL MANAGEMENT

(I hereby authorize and request any attorney having appropriate authority from the assignee to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on April 3, 2020 as
US Application Number 16/839,732 and
COUNTRY or International Office

which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

and in and to said application and all Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all other countries and international filing offices on said inventions and improvements; and in and to all rights of priority resulting from the filing of said applications; as used herein "Additional Applications" includes but is not limited to design, utility, utility model, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and national phase applications on said inventions and improvements;

and agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and

maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

/Gaohua Zhu/

Gaohua Zhu

4-1-2020

Date signed

Tom Shieh

Tom Shieh

4-1-2020

Date signed

Swetha M

Swetha Minupuri

03/14/2023

Date signed

Even Fleming

Date signed

Debasish Banerjee

Debasish Banerjee

03/12/2023

Date signed

maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

_____ Goahua Zhu	_____ Date signed
_____ Tom Shieh	_____ Date signed
_____ Swetha Minupuri	_____ Date signed
 _____ Even Fleming EFL	<u>03/14/2023</u> _____ Date signed
_____ Debasish Banerjee	_____ Date signed