

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6407603

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the INVENTORS NAME: DEBASISH BANERJEE previously recorded on Reel 054388 Frame 0133. Assignor(s) hereby confirms the ASSIGNMENT.

CONVEYING PARTY DATA

Name	Execution Date
GAOHUA ZHU	09/02/2020
TENGHUA TOM SHIEH	09/02/2020
EVAN B. FLEMING	09/23/2020
SWETHA MINUPURI	11/09/2020
DEBASISH BANERJEE	09/21/2020
RYUTA SUGIURA	09/09/2020
YUSUKE SUZUKI	09/09/2020
TAKAYOSHI TANAKA	09/09/2020
SATOKO TOFUKUJI	09/09/2020

RECEIVING PARTY DATA

Name:	TOYOTA MOTOR ENGINEERING & MANUFACTURING NORTH AMERICA, INC
Street Address:	6565 HEADQUARTERS DRIVE
City:	PLANO
State/Country:	TEXAS
Postal Code:	75024

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17065782

CORRESPONDENCE DATA

Fax Number:

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: 202-683-9317
 Email: admin4@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

PATENT

ATTORNEY DOCKET NUMBER:	IP-A-4689/8010-6307
NAME OF SUBMITTER:	DIALLO T. CRENSHAW
SIGNATURE:	/Diallo T. Crenshaw/
DATE SIGNED:	11/18/2020

Total Attachments: 15

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
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Email:	admin4@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-4689/8010-6307

ASSIGNMENT

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

Gaohua Zhu; Tenghua Tom Shieh; Evan B. Fleming; Swetha Minupuri; Debasish Banerjee; Ryuta Sugiura; Yusuke Suzuki; Takayoshi Tanaka; Satoko Tofukuji
hereby sell, assign, and transfer to:

Toyota Motor Engineering & 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:

BATTERY THERMAL MANAGEMENT WITH LARGE AREA PLANAR HEAT PIPES

(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 October 08, 2020 as
US Application Number 17/065,782 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

09/02/2020

Gaohua Zhu

Date signed

Tenghua Tom Shieh

Date signed

Evan B. Fleming

Date signed

Swetha Minupuri

Date signed

Debasish Banerjee

Date signed

Ryuta Sugiura

Date signed

Yusuke Suzuki

Date signed

Takayoshi Tanaka

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Satoko Tofukuji

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_____ Gaohua Zhu	_____ Date signed
_____ <i>Tenghua Shieh</i> Tenghua Tom Shieh	_____ 9/2/2020 Date signed
_____ Evan B. Fleming	_____ Date signed
_____ Swetha Minupuri	_____ Date signed
_____ Debasish Banerjee	_____ Date signed
_____ Ryuta Sugiura	_____ Date signed
_____ Yusuke Suzuki	_____ Date signed
_____ Takayoshi Tanaka	_____ Date signed
_____ Satoko Tofukuji	_____ Date signed

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_____	_____
Gaohua Zhu	Date signed
_____	_____
Tenghua Tom Shieh	Date signed
	09/23/2020
Eyan B. Fleming	Date signed
_____	_____
Swetha Minupuri	Date signed
_____	_____
Debasish Banerjee	Date signed
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Gaohua Zhu	Date signed
Tenghua Tom Shieh	Date signed
Evan B. Fleming	Date signed
Swetha M Swetha Minupuri	11/9/2020 Date signed
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Takayoshi Tanaka	Date signed
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