502600659 12/12/2013

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2646975

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|--|----------------|
| TOYOTA MOTOR ENGINEERING & MANUFACTURING NORTH AMERICA, INC. | 11/26/2013 |

RECEIVING PARTY DATA

| Name: | TOYOTA JIDOSHA KABUSHIKI KAISHA | |
|-----------------|---------------------------------|--|
| Street Address: | 1 TOYOTA-CHO | |
| City: | TOYOTA AICHI | |
| State/Country: | JAPAN | |
| Postal Code: | 471-8571 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|----------------|---------|
| Patent Number: | 8602146 |

CORRESPONDENCE DATA

Fax Number: (248)649-3338 Phone: 2486493333

Email: borchert@youngbasile.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

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 48084-3107

| ATTORNEY DOCKET NUMBER: | TEMA-130-A |
|-------------------------|-------------------------|
| NAME OF SUBMITTER: | CHRISTOPHER G. DARROW |
| Signature: | /Christopher G. Darrow/ |
| Date: | 12/12/2013 |
| | |

Total Attachments: 1

source=TEMA130A_ExecutedAssign_TMC#page1.tif

CH \$40.00

PATENT REEL: 031775 FRAME: 0063

ASSIGNMENT OF PATENT

WHEREAS, Toyota Motor Engineering & Manufacturing North America, Inc. of Erlanger, KY (hereinafter referred to as "ASSIGNOR"), has obtained U.S. Patent No. 8,602,146, dated December 10, 2013, entitled VEHICLE CONSTRUCTION METHOD TO PREVENT BATTERY DAMAGE IN REAR IMPACT USING OPTIMIZED BRACKET SEPARATION;

WHEREAS, Toyota Motor Engineering & Manufacturing North America, Inc. desires to transfer ownership of above patent; and

WHEREAS, Toyota Jidosha Kabushiki Kaisha, a corporation organized under the laws of the Japan, having its principal place of business at 1 Toyota-Cho, Toyota Aichi, 471-8571, Japan, ("ASSIGNEE"), desires to acquire the entire right, title, and interest in the aforesaid patent owned by Assignor;

Now therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the ASSIGNOR's entire right, title and interest in and to the aforesaid Patent; such right, title and interest to be held and enjoyed by the ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY GRANTS to the law firm of Young Basile Hanlon & MacFarlane, P.C. the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

Executed this 26th day of 1000/16- 20/3.

TOYOTA MOTOR ENGINEERING & MANUFACTURING NORTH/AMERICA, INC.

Print

Name

Teo.

Plansel

PATENT REEL: 031775 FRAME: 0064

RECORDED: 12/12/2013