

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| BENNO SCHWEIGER | 03/22/2019 |
| MATTHIAS FLECKENSTEIN | 03/26/2019 |
| EDWIN KNOBBE | 04/01/2019 |
| SAEID HABIBI | 04/01/2019 |
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| Internal Address: | RICHMOND HILL |
| City: | ONTARIO |
| State/Country: | CANADA |
| Postal Code: | L4S 0C8 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16313854 |
| CORRESPONDENCE DATA | |
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| | |
|---|-------------------------------|
| ATTORNEY DOCKET NUMBER: | 122391-5106 |
| NAME OF SUBMITTER: | MARK J. ITRI, REG. NO. 36,171 |
| SIGNATURE: | /Mark J. Itri/ |
| DATE SIGNED: | 10/09/2020 |
| Total Attachments: 4 source=122391-5106_Assignment#page1.tif source=122391-5106_Assignment#page2.tif source=122391-5106_Assignment#page3.tif source=122391-5106_Assignment#page4.tif | |

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

| | |
|---------------------------|--------------------|
| (1) Benno SCHWEIGER | (4) Mohammed FARAG |
| (2) Matthias FLECKENSTEIN | (5) Saïd HABIBI |
| (3) Edwin KNOBBE | (6) |

who have made a certain new and useful invention, hereby sell, assign and transfer unto

Bayerische Motoren Werke Aktiengesellschaft

Petuelring 130

80809 Munich

Germany

and

BMW Canada Inc.

50 Ultimate Drive

Richmond Hill, Ontario L4S 0C8

Canada

and its successors, assigns and legal representatives (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

METHOD AND DEVICE FOR ESTIMATING A VOLTAGE OF A BATTERY

for which an application for United States Letters Patent was filed on December 27, 2018, and identified by United States Application No. 16/313,854;

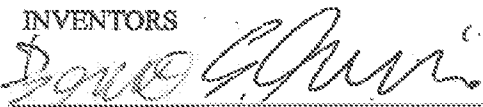
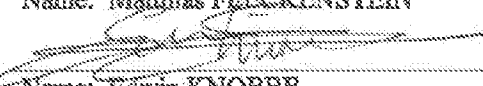
and the undersigned hereby authorize and request the registered practitioners of Morgan, Lewis & Bockius LLP to insert the filing date and application number of said application as necessary;

and the undersigned hereby authorize and request the United States Commissioner for Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, continuations-in-part, reviews and re-examinations thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to said ASSIGNEE, for its interest as ASSIGNEE; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

and the undersigned hereby agree to transfer a like interest, to render all necessary assistance in making application for and obtaining original, extended, divisional, reissued, substituted, renewed, continued, continued-in-part, reviewed and re-examined


Letters Patent of the United States, upon request of said ASSIGNEE and without further remuneration, in and to any improvements and applications for patent based thereon, growing out of or related to said invention, and to execute any papers by or for said ASSIGNEE, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

| INVENTORS | DATE SIGNED |
|---|-------------|
| 1)  Name: Benno SCHWEIGER | 03-22-2019 |
| 2) _____ Name: Matthias FLECKENSTEIN | |
| 3)  Name: Edwin KNOBBE | 04-01-2019 |
| 4) _____ Name: Mohammed FARAG | |
| 5) _____ Name: Saïd HABIBI | |
| 6) _____ Name: | |

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SIGNED on the dates indicated aside our signatures:

| | INVENTORS | DATE SIGNED |
|----|--|-------------|
| 1) | Name: Benno SCHWEIGER | |
| 2) |  Name: Matthias FLECKENSTEIN | 26.3.2013 |
| 3) | Name: Edwin KNOBBE | |
| 4) | Name: Mohammed FARAG | |
| 5) | Name: Saeid HABIBI | |
| 6) | Name: | |

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SIGNED on the dates indicated aside our signatures:

| INVENTORS | DATE SIGNED |
|---|-------------|
| 1) _____ Name: Benno SCHWEIGER | _____ |
| 2) _____ Name: Matthias FLECKENSTEIN | _____ |
| 3) _____ Name: Edwin KNOBBE | _____ |
| 4) _____ Name: Mohammed FARAG | _____ |
| 5) _____ Name: Saïed HABIBI | 1 Apr, 2019 |
| 6) _____ Name: _____ | _____ |