

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5552076

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HANNA BRYNGELSSON	05/22/2019
JONAS HELLGREN	05/22/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	VOLVO TRUCK CORPORATION
<b>Street Address:</b>	405 08
<b>City:</b>	GÖTEBORG
<b>State/Country:</b>	SWEDEN
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16462773
<b>CORRESPONDENCE DATA</b>	
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<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>	202-344-4000
<b>Email:</b>	emgonzales@venable.com, JAKaminski.team@Venable.com
<b>Correspondent Name:</b>	VENABLE LLP
<b>Address Line 1:</b>	P.O. BOX 34385
<b>Address Line 4:</b>	WASHINGTON, D.C. 20043-9998
<b>ATTORNEY DOCKET NUMBER:</b>	138223.503166
<b>NAME OF SUBMITTER:</b>	JEFFRI A. KAMINSKI
<b>SIGNATURE:</b>	/Jeffri A. Kaminski/
<b>DATE SIGNED:</b>	06/03/2019
<b>Total Attachments: 6</b>	
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**ASSIGNMENT BY INVENTOR**

**WHEREAS, Hanna Bryngelsson** residing at Värlagaregatan 3C, 416 58, Göteborg, SWEDEN, and **Jonas Hellgren**, residing at Vattugatan 6, 413 16, Göteborg, SWEDEN, hereinafter referred to as Assignor, have invented a certain improvement relating to A METHOD AND SYSTEM FOR CONTROLLING A BATTERY IN A VEHICLE, which said Assignor have caused an application for United States Letters Patent to be prepared,

the inventors' declarations for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office.

said application having been filed in the United States Patent and Trademark Office on May 21, 2019, Serial Number 16/462,773

**WHEREAS, VOLVO TRUCK CORPORATION**, having its principal place of business at 405 08 Göteborg, SWEDEN, is desirous of acquiring the entire right, title and interest in and to said application, including any and all non-provisional, international, foreign (non-U.S.), divisional and continuations thereof, and in and to said invention and any and all patents which may be granted therefore, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by Assignee to Assignor, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby assigns, sells and transfers, and has assigned, sold, and transferred to Assignee, its successors and assigns, the entire and exclusive right, title, and interest for the United States in and to the invention, the application, and any patents which may be granted therefor, including any and all nonprovisional applications, divisions, continuations, in whole or in part, substitutions, renewals, reissues, reexaminations, and extensions thereof, and all applications claiming priority therefrom; and Assignor authorizes and requests the Commissioner of Patents and Trademarks to issue all patents for the invention, or patents resulting therefrom, insofar as their interest is concerned, to Assignee; to have, hold, exercise, and enjoy, with all the rights, powers, privileges, and advantages in anywise arising therefrom or appertaining thereto, for and during the term or

Docket No.: 138228.503166

terms of any and all such patents when granted, for the use and benefit of said Assignee, and said Assignee's successors and assigns, in as ample and beneficial a manner as Assignor might or could have held and enjoyed the same, if this assignment had not been made.

Assignor further hereby assigns, sells and transfers, and has assigned, sold, and transferred to Assignee, its successors and assigns, the entire right, title and interest in all countries of the world, in and to the invention and in and to the application and all patents which may be granted therefor, and all international applications, nonprovisional applications, national applications, regional applications, divisions, reissues, substitutions, continuations, in whole or in part, re-examinations, and extensions thereof, including the right to file applications and obtain patents for the invention in its own name, in all countries and including all rights of priority in all countries under the terms of any applicable international convention, insofar as its interest is concerned; and the Assignor hereby authorizes and requests the applicable patent office in each country of the world to issue all patents for the invention, or patents resulting therefrom, insofar as its interest is concerned, to the Assignee, to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of such patents for the invention may issue, to the same extent as the Assignor would hold and enjoy if this Assignment had not been made.

The Assignor further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agrees, at the request of the Assignee, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain, maintain and enforce proper patent protection for said invention.

Assignor hereby represents and warrants to Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles, and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title, and interest in and to the said inventions and applications for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

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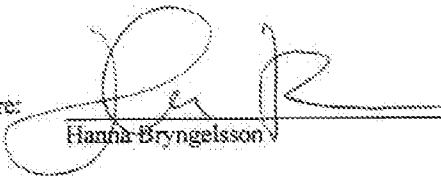
Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

VENABLE LLP

All practitioners at Customer Number 26694

AND Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: 10/5/2019

Signature:   
Hanna Bryngelsson

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Jonas Hellgren

**ASSIGNMENT BY INVENTOR**

**WHEREAS**, Hanna Bryngelsson residing at Vävlagaregatan 3C, 416 58, Göteborg, SWEDEN, and Jonas Hellgren, residing at Vattugatan 6, 413 16, Göteborg, SWEDEN, hereinafter referred to as Assignor, have invented a certain improvement relating to A METHOD AND SYSTEM FOR CONTROLLING A BATTERY IN A VEHICLE, which said Assignor have caused an application for United States Letters Patent to be prepared,

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NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by Assignee to Assignor, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby assigns, sells and transfers, and has assigned, sold, and transferred to Assignee, its successors and assigns, the entire and exclusive right, title, and interest for the United States in and to the invention, the application, and any patents which may be granted therefor, including any and all nonprovisional applications, divisions, continuations, in whole or in part, substitutions, renewals, reissues, reexaminations, and extensions thereof, and all applications claiming priority therefrom; and Assignor authorizes and requests the Commissioner of Patents and Trademarks to issue all patents for the invention, or patents resulting therefrom, insofar as their interest is concerned, to Assignee; to have, hold, exercise, and enjoy, with all the rights, powers, privileges, and advantages in anywise arising therefrom or appertaining thereto, for and during the term or

terms of any and all such patents when granted, for the use and benefit of said Assignee, and said Assignee's successors and assigns, in as ample and beneficial a manner as Assignor might or could have held and enjoyed the same, if this assignment had not been made.

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Assignor hereby represents and warrants to Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles, and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title, and interest in and to the said inventions and applications for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

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VENABLE LLP

All practitioners at Customer Number 26694

**AND** Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Hanna Bryngelsson

Date: 20190522 Signature: *Jonas Hellgren*  
Jonas Hellgren