

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3648364

|   |  |                       |
|---|--|-----------------------|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT   |                       |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT   |                       |
| <b>CONVEYING PARTY DATA</b>   |  |                       |
|   | <b>Name</b>  | <b>Execution Date</b> |
|   | PETER KARLSSON   | 11/20/2015            |
| <b>RECEIVING PARTY DATA</b>   |  |                       |
| <b>Name:</b>  | VOLVO CAR CORPORATION                                      |                       |
| <b>Street Address:</b>  | ASSAR GABRIELSSONS VAEG                                    |                       |
| <b>City:</b>  | GOTHENBURG   |                       |
| <b>State/Country:</b>   | SWEDEN   |                       |
| <b>Postal Code:</b>   | SE-405 31  |                       |
| <b>PROPERTY NUMBERS Total: 1</b>  |  |                       |
|   | <b>Property Type</b>                                       | <b>Number</b>         |
|   | Application Number:  | 14962444              |
| <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> |  |                       |
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| <b>ATTORNEY DOCKET NUMBER:</b>  | VCC0387PUSA  |                       |
| <b>NAME OF SUBMITTER:</b>   | JEFFREY M. SZUMA   |                       |
| <b>SIGNATURE:</b>   | /Jeffrey M. Szuma/   |                       |
| <b>DATE SIGNED:</b>   | 12/08/2015   |                       |
|   | This document serves as an Oath/Declaration (37 CFR 1.63). |                       |
| <b>Total Attachments: 1</b>   |  |                       |
| source=Assign_and_Decl_VCC0387PUSA#page1.tif  |  |                       |

ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN  
APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

Title of Invention INFORMATION RETRIEVAL ARRANGEMENT

As a below named inventor, I hereby declare that:

This declaration is directed to:

- ☐ The attached application, or
- ☒ United States application or PCT international application number  
14/962,444 filed on Dec. 8, 2015 (I hereby authorize the  
insertion of the application filing date and number when they become known.)

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.

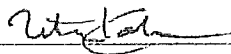
NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I do hereby assign, sell and set over to Volvo Car Corporation, a corporation organized and existing under the laws of the state or country of Sweden, and having a place of business at Assar Gabrielssons Vagg, SE-405 31, Gothenburg, Sweden, hereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, my entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in the above-identified application including the right of said ASSIGNEE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent for said inventions and discoveries in any and all foreign countries in its or their own name or names, or in my name, at its or their election, and I hereby assign, sell and set over to said ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any provisional applications, in and to said inventions and discoveries in all countries, including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue applications.

And I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned, sold and set over.

And I hereby represent and warrant that I have not granted any rights inconsistent with the rights granted herein.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years or both.

## LEGAL NAME OF INVENTOR

Inventor: Peter KARLSSONDate: 20 Nov 2015Signature: Page 1 of 1 (Supplemental Sheet with Additional Joint Inventors is attached if necessary)

Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

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