

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT4319469

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT
EFFECTIVE DATE:	01/01/2002
SEQUENCE:	1

CONVEYING PARTY DATA

Name	Execution Date
MACK TRUCKS, INC.	02/21/2017

RECEIVING PARTY DATA

Name:	AB VOLVO (PUBL.)
Street Address:	
City:	SE-405 08 GÖTEBORG
State/Country:	SWEDEN

PROPERTY NUMBERS Total: 92

Property Type	Number
Patent Number:	8094004
Patent Number:	7782536
Patent Number:	7726424
Patent Number:	7945376
Patent Number:	7472946
Patent Number:	8348041
Patent Number:	7934762
Patent Number:	8234031
Patent Number:	7886724
Patent Number:	8176732
Patent Number:	6253869
Patent Number:	6378515
Patent Number:	6899379
Patent Number:	7152913
Patent Number:	8177016
Patent Number:	8517137
Patent Number:	8727064
Patent Number:	8079339
Patent Number:	7463966

PATENT

Property Type	Number
Patent Number:	7007644
Patent Number:	6935679
Patent Number:	7472466
Patent Number:	6755022
Patent Number:	6968831
Patent Number:	8511065
Patent Number:	7007680
Patent Number:	7163005
Patent Number:	6805093
Patent Number:	6830537
Patent Number:	7497201
Patent Number:	8021190
Patent Number:	7533650
Patent Number:	7233814
Patent Number:	6814474
Patent Number:	6336444
Patent Number:	7398773
Patent Number:	8191369
Patent Number:	7084378
Patent Number:	7973250
Patent Number:	6848413
Patent Number:	7520834
Patent Number:	7588357
Patent Number:	8337357
Patent Number:	8151749
Patent Number:	8783126
Patent Number:	6061989
Patent Number:	8156921
Patent Number:	6234143
Patent Number:	6336447
Patent Number:	6719361
Patent Number:	8789507
Patent Number:	8464521
Patent Number:	8052192
Patent Number:	8240134
Patent Number:	8225695
Patent Number:	8453436
Patent Number:	8322763

Property Type	Number
Patent Number:	8528329
Patent Number:	8646257
Patent Number:	7908846
Patent Number:	8566006
Patent Number:	8424977
Patent Number:	8661803
Patent Number:	8056328
Patent Number:	8292780
Patent Number:	8844271
Patent Number:	8991154
Patent Number:	8490821
Patent Number:	8350682
Patent Number:	8919123
Patent Number:	8984860
Patent Number:	8668214
Patent Number:	8857284
Patent Number:	8904982
Patent Number:	8789433
Patent Number:	9157347
Patent Number:	9188176
Patent Number:	9115631
Patent Number:	9448091
Patent Number:	9381806
Patent Number:	9488098
Patent Number:	9482124
Application Number:	13201113
Application Number:	14112542
Application Number:	14385279
Application Number:	14442070
Application Number:	14441530
Application Number:	14649659
Application Number:	14650853
Application Number:	14435613
Application Number:	14649779
Application Number:	14650374

CORRESPONDENCE DATA

Fax Number: (703)273-7684

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: 703-273-7680
Email: rshapiro@sasiplaw.com
Correspondent Name: RONALD E. SHAPIRO
Address Line 1: 11350 RANDOM HILLS ROAD, SUITE 740
Address Line 4: FAIRFAX, VIRGINIA 22030

NAME OF SUBMITTER:	RONALD E. SHAPIRO
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SIGNATURE:	/Ronald E. Shapiro/
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DATE SIGNED:	03/15/2017
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Total Attachments: 5

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Confirmatory Deed of Assignment

Between

MACK TRUCKS, Inc.

A corporation, organized and existing under the laws of United States of America:

Hereinafter called "the Assignor"

on the one hand,

And

AB VOLVO (Publ.)

SE-405 08 Göteborg, Sweden

A corporation, organized and existing under the laws of Sweden:

Hereinafter called "the Assignee"

on the other hand.

Whereas:

- The Assignor is the registered owner of the United States patents and patent applications identified in the schedules attached hereto and made a part hereof (hereinafter collectively "the IP Rights")***
- In the framework of an agreement executed on 01.01.2002 (hereinafter called "the Agreement"), the Assignor assigned to the Assignee the IP Rights.***
- For the recordal of this assignment before the relevant Intellectual Property Office(s) as required to protect the acquired rights and obligations, the parties have agreed to draw up a Confirmatory Deed of Assignment, as a result of which:***

Now this deed witnesseth as follows:

- For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and in conformance with the Agreement, the Assignor confirms to have sold, assigned, transferred and conveyed to the Assignee all of the Assignor's rights, including any right to claim priority to any of the IP Rights, title, interests and obligations in the IP Rights, including any provisional, divisional, substitute, continuation, continuation-in-part, reexamination and reissue applications, reissue patents issued on such reissue applications, extensions, any foreign applications, including international and regional applications, based in whole or in part on any the IP Rights, together with all the rights, powers, privileges and immunities arising or accrued therefrom, including the right to take such proceedings as may be necessary to recover damages or otherwise in respect of infringements committed before as well as after the date hereof and including the goodwill associated with the IP Rights, but subject to all rights, licenses and other encumbrances already existing in respect thereof.

- The bearer of a copy of the present document, including the Assignee alone, where the laws of the jurisdiction before which the present assignment is to be recorded allow so, is given full powers to attend to its recordal before the relevant Intellectual Property Register(s) as necessary to enforce the above-mentioned rights and obligations in conformity with the Agreement and hereby confirmed by the present confirmatory deed of assignment.

- The Assignor hereby covenants with the Assignee that the Assignor will, at the expense of the Assignee, execute sign and do all such instruments, applications, documents, acts and things as may reasonably be required by the Assignee to enable the Assignee (or the nominee of the Assignee) to enjoy the full benefit of the property and rights assigned in conformity with the Agreement.

- The person signing this document on behalf of the Assignor expressly declares to be duly empowered to execute documents on behalf of the Assignor and alienate assets of the Assignor.

- The person signing this document on behalf of the Assignee expressly declares to be duly empowered to represent the Assignee.

- Should the laws of the jurisdiction before which the present assignment is to be recorded allow so, this confirmatory deed of assignment may be executed in counterparts, each of which will be an original as

regards any party whose signature appears thereon and all of which together will constitute one and the same instrument.

- This confirmatory deed of assignment is effective nunc pro tunc as of 01.01.2002.

For and on behalf of

Assignor Name:

Signatory Name: *Thomas Hedberg*

Signatory Title (Capacity): *Group Director Patent*

Place of Signature (City): *Malmo, Sweden*

State/Province, Country):

Signature Date: *2017-02-21*

Signature: *Thomas Hedberg*

For and on behalf of

Assignee Name:

AB Volvo (publ)

Signatory Name:

Nina Arvid Larsson

Signatory Title (Capacity):

SVP Group Legal, Tax & Control

Place of Signature (City):

Göteborg, Sweden

State/Province, Country):

Signature Date: *20170307 / 2017-03-07*

Signature:

Nina Arvid Larsson

Schedule of IP Rights

Filing Date	Filing Number	Registration/Grant Date	Publication Number (patent)
18/07/2007	12/448576	10/01/2012	8094004
18/03/2005	11/886486	24/08/2010	7782536
28/03/2005	10/807285	1/06/2010	7726424
11/07/2005	11/817911	17/05/2011	7945376
14/07/2005	11/853826	6/01/2009	7472946
20/07/2005	11/889040	8/01/2013	8348041
13/12/2005	12/085795	3/05/2011	7934762
22/02/2007	12/527764	31/07/2012	8234031
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1/05/2003	12/598358	16/05/2012	8176732
27/01/2000	09/492180	3/07/2001	6253869
9/08/2000	09/590379	30/04/2002	6378515
19/10/2000	10/089232	31/05/2005	6889379
19/10/2000	11/026136	26/12/2006	7162913
18/01/2007	12/522587	15/05/2012	8177016
18/01/2007	13/434841	27/08/2013	8517137
18/01/2007	13/894504	20/05/2014	8727064
10/07/2006	12/303991	20/12/2011	8079339
24/01/2005	10/587081	9/12/2008	7463966
4/12/2003	10/728688	7/03/2006	7007644
3/09/2003	10/653290	30/08/2005	6935679
3/09/2003	11/177280	6/01/2009	7472466
26/02/2003	10/372929	23/06/2004	6755022
30/03/2004	10/812016	28/11/2005	6968831
13/04/2006	12/293840	20/08/2013	8511065
7/08/2003	10/635500	7/03/2006	7007680
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19/03/2003	10/391427	19/10/2004	6805093
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7/01/2005	11/825432	21/04/2009	7520834
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12/12/2006	12/516387	10/04/2012	8151749
1/09/2006	12/375937	22/07/2014	8783126
2/06/1998	09/089494	16/05/2000	8061989
12/12/2006	12/518906	17/04/2012	8150921
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1/05/2007	12/597886	18/06/2013	8464521
5/12/2008	12/516946	8/11/2011	8052192
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19/07/2012	14/385279		
21/06/2012	14/409,286	1/11/2016	9,482,124
5/12/2012	14/442,070		
29/11/2012	14/441,530		
13/12/2012	14/649,659		
23/12/2012	14/650,653		
9/11/2012	14/435,613		
19/12/2012	14/649,779		
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