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Name (line 1) Ake BERGQUIST

Execution Date  
Month Day Year  
10 08 2001

Name (line 2)

**Second Party**

Name (line 1) Goran LARSSON

Execution Date  
Month Day Year  
10 08 2001

Name (line 2)

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Name (line 1) Volvo Personvagnar AB

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3) Goteborg

SWEDEN

SE-405 03

City

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**Domestic Representative Name and Address**

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Name KILPATRICK STOCKTON LLP

Address (line 1) 11130 Sunrise Valley Drive

Address (line 2) Suite 300

Address (line 3) Reston, VA. 20191

Address (line 4) United States

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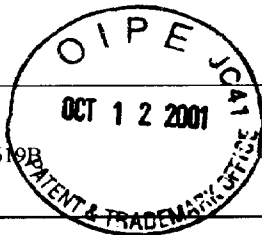
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**PATENT  
REEL: 012245 FRAME: 0813**



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Page 2

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

**Correspondent Name and Address**

Area Code and Telephone Number

703-648-8500

Name Tracy W. Druce

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Address (line 3) Reston, VA. 20191

Address (line 4) United States

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**Application Number(s) or Patent Number(s)**

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Number(s)**

09/883,888

**Patent Number(s)**

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number as not been assigned.

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David P. LeCroy

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David P. LeCroy  
Signature

10/11/2001

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Name (line 1) Anders GUNNARSON

Execution Date  
Month Day Year  
10 08 2001

Name (line 2)

Name (line 1) Simon LAMARRE

Execution Date  
Month Day Year  
10 08 2001

Name (line 2)

Name (line 1) Karin REIKERAS

Execution Date  
Month Day Year  
10 08 2001

Name (line 2)

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State/Country

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OCT 12 2001

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Mark if additional names of conveying parties attached

**Enter additional Conveying Parties**

Name (line 1) Kjell REIKERAS

Execution Date  
Month Day Year  
10 08 2001

Name (line 2)

Name (line 1) Einar LENNARTSSON

Execution Date  
Month Day Year  
10 08 2001

Name (line 2)

Name (line 1) Birgitta THORSSON

Execution Date  
Month Day Year  
10 08 2001

Name (line 2)

**Receiving Party(ies)**

☐ Mark if additional names of receiving parties attached

**Enter additional Receiving Party(ies)**

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

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Name (line 1)

Name (line 2)

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**Patent Application Number(s)**

**Patent Number(s)**







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Attorney Docket No.: 47863.259725

PATENT

## ASSIGNMENT

THIS ASSIGNMENT, by Åke BERGQUIST, Göran LARSSON, Anders GUNNARSON, Simon LAMARRE, Karin REIKERÅS, Kjell REIKERÅS, Einar LENNARTSSON and Birgitta THORSSON (hereinafter referred to as the Assignors), witnesseth:

WHEREAS, said Assignors have invented certain new and useful improvements in a: MOTOR VEHICLE set forth in an application for Letters Patent of the United States, bearing Application No. 09/883,888 and filed on June 15, 2001.

WHEREAS, VOLVO PERSONVAGNAR AB, a corporation duly organized under and pursuant to the laws of Sweden, and having a principal place of business at: S-405 03 Göteborg, Sweden (hereinafter referred to as the Assignee) is desirous of acquiring the entire right, title and interest in and to said inventions and applications for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of one Dollar (\$1.00 USD) and other good and sufficient considerations, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto said assignee, its successors, legal representatives and assigns, assignors' interest in the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and behoof and the use and behoof of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignors are the lawful owners of the entire right, title and interest in and to said invention and the application for Letters Patent above mentioned, and that the same is unencumbered and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

(Date) 8 October 2001

(Signature)

Åke BERGQUIST

(Date) 8 October 2001

(Signature)

Göran LARSSON

(Date) 8 October 2001


(Signature)

Anders GUNNARSON

(Date) 8 October 2001

(Signature)   
Simon LAMARRE

(Date) 8 October 2001

(Signature)   
Karin REIKERÅS

(Date) 8 October 2001

(Signature)   
Kjell REIKERÅS

(Date) 8 October 2001

(Signature)   
Einar LENNARTSSON

(Date) 8 October 2001

(Signature)   
Birgitta THORSSON