

05-14-1999



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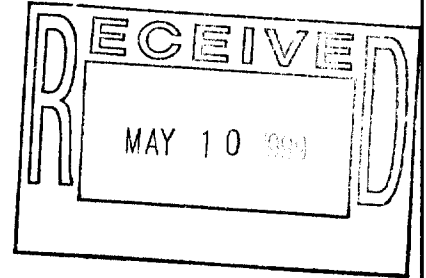
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Arne SVENSSON

MRO
5-10-99

2. Name and address of receiving party(ies)

Name: AB Volvo
Internal Address:



Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: October 27, 1998

Street Address:

City: GÖTEBORG State: Zip: S-405 08
Country: Sweden

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)
09/180,177

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Arnold H. Krumholz
Internal Address: LERNER, DAVID, LITTENBERG,
KRUMHOLZ & MENTLIK, LLP

Street Address: 600 South Avenue West
City: Westfield State: NJ ZIP: 07090

6. Total Number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41).....\$ 40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

12-1095

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Arnold H. Krumholz
(Name of Person Signing)

(Signature)

May 6, 1999
(Date)

Total number of pages including cover sheet, attachments, and document: 2

Mail documents to be recorded with required cover sheet information to:
U.S. Patent and Trademark Office, Office of Public Records, Crystal Gateway 4, Room 335, Washington, DC 20231
Attention: Assignments

PATENT
REEL: 9943 FRAME: 0690

ASSIGNMENT

WHEREAS, Arne SVENSSON, Mossfyndsgatan 9, S-423 46 TORSLANDA, Sweden

as assignor(s), has/~~have~~ invented improvements in
Device and method in combustion engines.

_____ for which an Application for United States Letters Patent has been executed by me on even date herewith.

_____ for which U.S. Application Serial No. _____ for Letters Patent was filed in the U.S. Patent and Trademark Office.

X for which an International Application was filed on April 29, 1997 PCT/SE97/00715 as _____, designating the United States.

AND WHEREAS, AB Volvo
S-405 08 GÖTEBORG, Sweden

as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Letters Patent that may be granted therefor.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I as assignor hereby sell, assign and set over to said assignees the entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid application for Letters Patent, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignees herein, as assignees of the entire interest therein; and the undersigned for himself/themselves and his/their legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignees or its assigns, to communicate to said assignees or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignees, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignees.

And I/we do hereby authorize my/our attorneys to insert on this deed the filing date and serial number of said application when known.

October 27, 1998

Date

Fredrik Callmer

Witness

FREDRIK CALLMER

Arne Svensson

Name

Arne Svensson

Date

Name

Witness

Date

Name

Witness

Date

Name

Witness