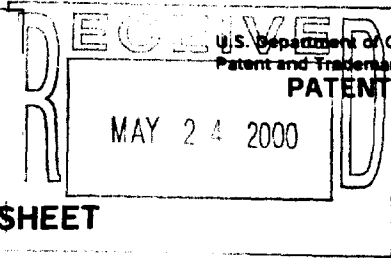


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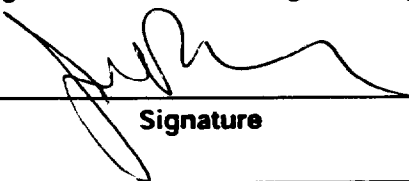
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JOHN R. NELSON  May 22, 2000

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ASSIGNMENT

WHEREAS, Peter NOVAK and Sören ERIKSSON

as assignor(s), has/have invented improvements in

METHOD AND DEVICE FOR DETERMINING TEMPERATURE VALUES IN A COMBUSTION ENGINE

_____ 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 16 September 1998 as PCT/SE98/01654 designating the United States.

AND WHEREAS, Volvo Personvagnar AB, 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.

4 April 2000
Date

[Signature]
Witness

[Signature]
Name Peter NOVAK

4 April 2000
Date

[Signature]
Witness

[Signature]
Name Sören ERIKSSON

Date

Witness

Name

Date

Name