

To the Honorable Commissioner of Patents

ed original documents or copy thereof.



102629449

1. Name of Conveying party(ies):

Name and address of receiving party(ies):

Karlheinz BING and
Gerhard BUCHER

12.12.03

Name: Mahle GmbH

Internal Address: _____

Street Address: Pragstrasse 26-46

City: D-70376 Stuttgart Country: Germany Zip: _____

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

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

3. Nature of conveyance:

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

Execution Date: both December 9, 2003

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

10734807

If this document is being filed together with a new application, the execution date of the application is: December 9, 2003

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Collard & Roe, P.C.

Internal Address: _____

Street Address: 1077 Northern Boulevard

City: Roslyn State: NY ZIP: 11576

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: 03-2468

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

DO NOT USE THIS SPACE

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.

Elizabeth Collard Richter

December 12, 2003

12/17/2003 10:08:25 AM 00000002 10734807

Signature

Date

02 FC:8021

40.00 DP

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

115325 U.S. PTO
10/734807
121203

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

name and
address of
assignee

Mahle GmbH
Pragstrasse 26-46
D-70376 Stuttgart, Germany

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to

title of
invention

METHOD FOR THE PRODUCTION OF PISTONS HAVING DEPRESSION
EDGE ARMORING, FOR INTERNAL COMBUSTION ENGINES

as set forth in his United States Patent Application

check one

executed concurrently herewith

executed on _____

Serial No. _____ filed _____

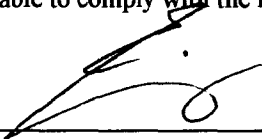
in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

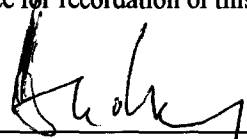
Each of the undersigned further covenants and agrees that at any time upon request of said ASSIGNEE, its successors, legal representatives or assigns he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of COLLARD & ROE, P.C., 1077 Northern Boulevard, Roslyn, New York 11576, U.S.A., the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.



Name: Karlheinz BING

Date: Dec 09, 2003



Name: Gerhard BUCHER

Date: Dec 09, 2003

names and
signatures
of inventors

R:\Patents\B\BING ET AL-4\Assignment.wpd

RECORDED: 12/12/2003

PATENT
REEL: 014800 FRAME: 0745