

05-03-2004

To the Honorable Commissioner of Patent

original documents or copy thereof.

102735835

1. Name of Conveying party(ies):

Rolf MANZ, Gerhard STEINER, Reinhard WIERLING,
Johann SCHENKL and Martin BRABECAdditional name(s) of conveying party(ies) attached? Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: October 2, 2003; October 17, 2003;
October 8, 2003; October 6, 2003; and October 6, 2003
respectively

2. Name and address of receiving party(ies):

Name: MAHLE FILTERSYSTEME GMBHStreet Address: Pragstrasse 54City: 70376 Stuttgart Country GermanyAdditional 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)

B. Patent No.(s)

U.S. Serial No. 10/475 406 filed October 22, 2003
(PCT/DE02/01465 filed April 22, 2002)

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 BoulevardCity: Roslyn State: NY ZIP: 115766. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account8. Deposit account number: 03-2468

(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.

Edward R. Freedman

Name of Person Signing

Edward R. Freedman
SignatureApril 28, 2004

Date

Total number of pages including cover sheet, attachments, and document: 4

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05/03/2004 LUELLER 00000001 032468 10475406

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2. Name and address of receiving party(ies):

Name: ELEKTROMANUFAKTUR ZANGENSTEIN HANAUER GMBH & CO. KGaA

Street Address: Siemensstrasse 1

City: 92507 Nabburg Country Germany

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 MAHLE FILTERSYSTEME GMBH AND ELEKTROMANUFAKTUR
Pragstrasse 54 ZANGENSTEIN HANAUER GMBH & CO. KGaA
70376 Stuttgart, Germany Siemensstrasse 1
address of 92507 Nabburg, Germany
assignee (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 TRANSMISSION SENSOR
as set forth in his United States Patent Application
☐ executed concurrently herewith
check one ☐ executed on _____
☒ Serial No.: PCT/DE02/01465 filed April 22, 2002

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.

names and
signatures
of inventors

Name: Rolf MANZ

Date: 2. Oct. 2003

Gerhard STEINER

Date: 17.10.03

Reinhard WIERLING

Date: 08.10.03

Name: Johann SCHENKL

Date:

Martin BRABEC

Date:



PATENT
REEL: 015273 FRAME: 0010

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 (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

check one

MAHLE FILTERSYSTEME GMBH AND ELEKTROMANUFAKTUR
Pragstrasse 54
70376 Stuttgart, Germany

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92507 Nabburg, Germany

TRANSMISSION SENSOR
as set forth in his United States Patent Application

☐ executed concurrently herewith
☐ executed on _____
☒ Serial No.: PCT/DE02/01465 filed April 22, 2002

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;

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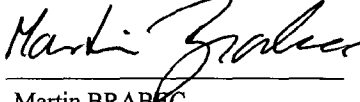
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names and signatures of inventors

Name: Rolf MANZ
Date:


Name: Johann SCHENKL
Date: 6.10.03

Gerhard STEINER
Date:


Martin BRABEC
Date: 6.10.03

Reinhard WIERLING
Date:

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