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FORM PTO-1585

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12.29.99

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06-15-2000

ec'd PCT/PTO 29 DEC 1999



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To the Honorable Assistant Commissioner for Patents: Please

1. Name of conveying party(ies):

Dieter WANNKE
Dieter KARR
Meike FEHSE
Martin NOLL
Peter RAPPS
Waldemar ERNST
Dirk SCHMID

Additional name(s) of conveying parties attached? Yes No

2. Name and address of receiving party(ies)

Name: Robert Bosch GmbH
Internal Address: _____
Street Address: Postfach 30 02 20
City: D-70442 Stuttgart
State: Federal Republic of Germany
ZIP: _____

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

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other: _____

Execution Dates: November 16, 1999, November 11, 1999,
November 9, 1999, November 9, 1999, November 9, 1999,
November 12, 1999, November 9, 1999

4. Application numbers or patent numbers:

If this document is being filed together with a new application, the execution date of the application is: November 16, 1999,
November 9, 1999, November 9, 1999, November 9, 1999, November 9, 1999, November 9, 1999, November 9, 1999

A. Patent Applications
To Be Assigned

B. Patent No.(s)

09/462003

Additional Numbers attached? Yes No

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

Name: Richard L. Mayer
Internal Address: KENYON & KENYON
Street Address: One Broadway
City: New York State: New York ZIP: 10004

6. Total number of applications and patents involved: **1**

7. Total fee (37 C.F.R. 3.41) \$ **40.00**
 Enclosed
 Authorized to be charged to deposit account

8. Deposit account number:
11-0600

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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

Richard L. Mayer (Reg No. 22,490)
Name of Person Signing

Richard L. Mayer

Signature

Date

12/29/99

Total Number of pages including cover sheet, attachments and document: **11**

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PATENT
REEL: 010697 FRAME: 0872

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ASSIGNMENT

WHEREAS, we,

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have made inventions and discoveries in **ULTRASONIC TRANSDUCER**, for which an application for Letters Patent was filed as PCT International Application Number **PCT/DE98/01734** on June 25, 1998 and

WHEREAS **Robert Bosch GmbH**, having a place of business at **Postfach 30 02 20, D-70442 Stuttgart, Federal Republic of Germany**, and who, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited,

NOW, THEREFORE, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservations:

1. Assign, transfer, and convey to Assignee the entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in any and all countries, including all divisional, renewal, substitute, continuation, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent.

2. Authorize Assignee to file patent applications in any or all countries for any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under an International Convention or otherwise.

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of

the entire right, title, and interest therein or otherwise as Assignee may direct.

4. Warrant that we have not conveyed to others any right, title, or interest in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; that we have good right to assign the same to Assignee without encumbrance; and that we are aware of no claim to the contrary.

5. Bind our heirs, legal representatives, and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives, or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries; and to testify to the same in any interference, arbitration, or litigation.

IN TESTIMONY WHEREOF, we have hereunto set our hands
this 16th day of November, 1999.

Dieter Wannke

Dieter WANNKE

IN TESTIMONY WHEREOF, we have hereunto set our hands
and seals this 11~~th~~ day of November, 1999.



Dieter KARR

IN TESTIMONY WHEREOF, we have hereunto set our hands
and seals this 9th day of November, 1999.

Meike FEHSE

Meike FEHSE

witnessed by

Martin Noll, 11/09/99

Martin Noll

IN TESTIMONY WHEREOF, we have hereunto set our hands
and seals this 9th day of November, 1999.

Martin NOLL
Martin NOLL

witnessed by Meike Fehse 11/09/99
Meike Fehse

IN TESTIMONY WHEREOF, we have hereunto set our hands
and seals this 9th day of November, 1999.

Peter Rapps
Peter RAPPS

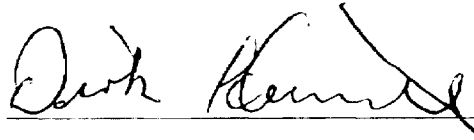
witnessed by Meike Fehse
(Meike Fehse) 11/09/99

IN TESTIMONY WHEREOF, we have hereunto set our hands
and seals this 1246 day of December, 1999.

Waldemar Ernst
Waldemar ERNST

witnessed by: 15 11 99 Chas. W.
(Thier, Mason)

IN TESTIMONY WHEREOF, we have hereunto set our hands
and seals this 9th day of November, 1999.



Dirk SCHMID

228055

witnessed by i. Lester F. See
Melba Teuse 11/09/99