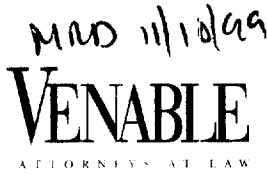


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Attorney Docket: 31439-132028 (NNK)

HONORABLE ASSISTANT COMMISSIONER OF PATENTS  
WASHINGTON, D.C. 20231

BOX ASSIGNMENT

REQUEST FOR RECORDING AND COVER SHEET UNDER 37 C.F.R. §§ 3.28 AND 3.31

Please record the attached original document.

1. Name of parties conveying the interest:

Matthias GRAMANN  
Michael NAGEL  
Thomas RÖCKL  
Rudolf WILCZEK

11-15-1999



101199958

2. Name and address of party receiving the interest:

TEMIC TELEFUNKEN microelectronic GmbH  
Theresienstrasse 2  
D-74072 Heilbronn, GERMANY

3. Description of the interest conveyed or transaction to be recorded:

Assignment  Other:

4. Application Number: 09/244,035

Document filed together with a patent application executed on \_\_\_\_\_.

5. Address correspondence concerning this request to: VENABLE, Post Office Box 34385, Washington, D.C. 20043-9998.

6. Number of Applications, Patents or Registrations and total fee:

Patents: 1 patent rights @ \$40 ..... Total: \$ 40.00

If a greater or lesser fee is required, please charge or credit Deposit Account No. 22-0261 accordingly and notify the undersigned.

7. Date of execution of document: January 18, 1999

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

Date: November 10, 1999

Norman N. Kunitz  
Registration No. 20,586

11/15/1999 DNGUYEN 00000083 09244035

01 FC:581

40.00 DP

Rev 3/99

#169164

ASSIGNMENT  
OF APPLICATION FOR UNITED STATES LETTERS PATENT

Attorney Docket  
DA107 4634.01

WHEREAS Matthias Gramann of D-91233 Neunkirchen, Michael Nagel of D-90491 Nürnberg,  
Thomas Röckl of D-92271 Freihung, Rudolf Wilczek of D-90518 Altdorf, all of Federal  
Republic of Germany  
hereinafter (collectively) referred to as the assignor, has invented a certain improvement  
relating to Electromagnetic actuator

for which said assignor has caused an application for United States Letters Patent to be prepared,

the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;

said application having been filed in the United States Patent and Trademark Office on \_\_\_\_\_ Serial Number [if known] \_\_\_\_\_;

said application having been filed under the Patent Cooperation Treaty on \_\_\_\_\_, Serial No. \_\_\_\_\_, the United States of America being designated.

AND WHEREAS TEMIC TELEFUNKEN microelectronic GmbH  
Theresienstr. 2  
D 74072 Heilbronn  
Federal Republic of Germany

\_\_\_\_\_ hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the entire and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this 18th day of January, 1999.

WITNESSES: \_\_\_\_\_ ASSIGNOR: \_\_\_\_\_

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Signature: Matthias Gramann

Name: Matthias Gramann

Signature: Michael Nagel

Name: Michael Nagel

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

SPENCER & FRANK  
Washington, D.C.

EXECUTED, this 18th day of January, 1999.

WITNESSES:

Signature: \_\_\_\_\_  
Name : \_\_\_\_\_  
Address : \_\_\_\_\_  
\_\_\_\_\_

Signature: \_\_\_\_\_  
Name : \_\_\_\_\_  
Address : \_\_\_\_\_  
\_\_\_\_\_

ASSIGNOR:  
Signature: Thomas Röckl  
Name : Thomas Röckl

Signature: Rudolf Wilczek  
Name: Rudolf Wilczek

IDENTIFICATION OF APPLICATION UNDER 37 CFR 3.21

I hereby certify that the Patent and Trademark Office has advised that the application identified herein has been assigned Application No. 09/244,035.

Nov 10, 1999  
(Date)

Norman N. Kunitz  
Norman N. Kunitz  
Registration No. 20,586