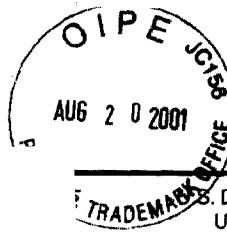


RE: 3241-47-1 (D4695-00078)

08-24-2001



Form PTO-1595  
(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)

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U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

To the Honorable Commissione

ached original documents or copy thereof.

1. Name of conveying party(ies):  
Thomas Weisener, Gerald Voegele,  
Mark Widemann, Carlo Bark and  
Andreas Hoch

2. Name and address of receiving party(ies)  
Name: Fraunhofer Gesellschaft zur  
Foerderung der angewandten  
Internal Address: Forschung e.V.

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Street Address: Leonrodstrasse 54  
D-80636 Muenchen, GERMANY

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Execution Date: 05/19, 5/20, 5/21 & 5/22/98

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

4. Application number(s) or patent number(s): 09/727,210

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)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Stephan P. Gribok

Internal Address: DUANE, MORRIS & HECKSCHER  
LLP

Street Address: One Liberty Place

City: Philadelphia State: PA Zip: 19103

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:

04-1679

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*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.*

Stephan P. Gribok

Name of Person Signing

Stephan Gribok  
Signature

8-16-01

Date

Total number of pages including cover sheet, attachments, and documents: 1

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
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PATENT  
REEL: 012089 FRAME: 0123

## ASSIGNMENT

WHEREAS, we:

**Thomas Welsener**, a citizen of Germany, residing at Eberdinger Weg 13, D-71254 Ditzingen, Germany;

**Gerald Voegelé**, a citizen of Germany, residing at Traubenstrasse 24/5, D-71106 Magstadt, Germany;

**Mark Widmann**, a citizen of Germany, residing at Talstrasse 24, D-74357 Boennigheim, Germany;

**Carlo Bark**, a citizen of Germany, residing at Birkenweg 6, D-72355 Schoerzingen, Germany; and,

**Andreas Hoch**, a citizen of Germany, residing at Ackermannstrasse 9/1, D-74081 Heilbronn, Germany,

hereinafter referred to as "ASSIGNORS" are the inventors of certain inventions or improvements for MICROMOTOR AND MICROPUMP, for which we have on ~~5/19, 5/20, 5/21 & 5/22/98~~ executed an application for Letters Patent of the United States; and

WHEREAS, Fraunhofer Gesellschaft zur Foerderung der angewandten Forschung e.V., a non-profit corporation of Germany, having a principal place of business at Leonrodstrasse 54, D-80636 Muenchen, Germany, hereinafter referred to as "ASSIGNEE" is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof:

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to us in hand paid by said ASSIGNEE, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, to said ASSIGNEE, our entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions, and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States, and any reissue or reissues or extension or extensions of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE their heirs, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not have been made.

AND we hereby covenant that we have full right to convey our entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent in said ASSIGNEE, their heirs, assigns, nominees, or legal representatives, and we agree to communicate to said ASSIGNEE, or to their nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to

PATENT

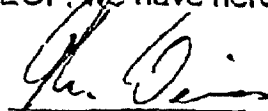
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(9)  
execute all disclaimers and divisional, continuing, and reissue applications, to make all rightful oaths, and generally to do everything possible to aid said ASSIGNEE, their heirs, assigns, nominees and legal representatives to obtain and enforce for their own benefit proper patent protection for said inventions or improvements in the United States;

AND we hereby authorize and request the Commissioner for Patents of the United States to Issue to said ASSIGNEE, the entire right, title and interest, in and to any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, we have hereunto set our hand and seal.

Date: 19.5.98

  
Thomas WEISNER

Date: 19.5.98

  
Gerald VOEGELE

Date: \_\_\_\_\_

Mark WIDMANN

Date: \_\_\_\_\_

Carlo BARK

Date: \_\_\_\_\_

Andreas HIOCH

execute all disclaimers and divisional, continuing, and reissue applications, to make all rightful oaths, and generally to do everything possible to aid said ASSIGNEE, their heirs, assigns, nominees and legal representatives to obtain and enforce for their own benefit proper patent protection for said inventions or improvements in the United States;

AND we hereby authorize and request the Commissioner for Patents of the United States to issue to said ASSIGNEE, the entire right, title and interest, in and to any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, we have hereunto set our hand and seal.

Date: \_\_\_\_\_

\_\_\_\_\_  
Thomas WEISNER

Date: \_\_\_\_\_

\_\_\_\_\_  
Gerald VOEGELE

Date: <sup>(\*)</sup> 20. Mai 1938

Mark Widmann  
Mark WIDMANN

Date: \_\_\_\_\_

\_\_\_\_\_  
Carlo BARK

Date: \_\_\_\_\_

\_\_\_\_\_  
Andreas HOCH

(\*) verified by tel. call with Mr. Widmann  
on May 20, 1938, ssd.

Sturtevant  
20/5/38