

9-18-08

10-06-2008

U.S. PTO  
12/284127  
09/18/2008

Client/Matter No. 56/473



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**COVER SHEET  
ONLY**

To the Director of the L

Please record the attached documents or the new address(es) below:

**1. Name of conveying Party(ies):**

ELMAR MAYER  
JOHANN OBERHAUSER

**2. Name and Address of receiving Party(ies):**

Name: DR. JOHANNES HEIDENHAIN  
GMBH

Internal Address:

Street Address: Strasse 5

City: Traunreut

State:

Country: Germany Zip: 83301

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

**3. Nature of Conveyance/Execution Date(s):**

Execution Date(s): September 17, 2008

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Assignment                      | <input type="checkbox"/> Merger         |
| <input type="checkbox"/> Security Agreement                         | <input type="checkbox"/> Change of Name |
| <input type="checkbox"/> Joint Research Agreement                   |   |
| <input type="checkbox"/> Government Interest Assignment             |   |
| <input type="checkbox"/> Executive Order 9424, Confirmatory License |   |
| <input type="checkbox"/> Other: _____                               |   |

Additional name(s) and addresses attached? ☐ Yes ☒ No

**4. Application or Patent Number(s).**

☒ This document is being filed together with a new application.

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:**

BRINKS HOFER GILSON & LIONE  
PO BOX 10395  
CHICAGO, IL 60610  
Phone: (312) 321-4200  
Fax: (312) 321-4299

**6. Total no. of applications & patents involved: 1**

**7. Total Fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- ☐ Authorize charge by credit card  
☒ Authorize charge to Deposit Account No. 23-1925  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information:**

- a. ☐ Credit Card: Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_
- b. ☒ Charge fee and/or any Deficiencies to Deposit  
Account Number 23-1925  
Authorized User Name: Brinks Hofer Gilson & Lione

**9. Signature:**

Signature

John C. Freeman, Esq.

Name of Person Signing

September 18, 2008

Date

Total no. of pages including coversheet,  
attachments and documents: 3

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, PO Box 1450, Alexandria, VA 22313-1450

10/03/2008 DRYRNE 00000051 231925 12284127  
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**PATENT**  
**REEL: 021644 FRAME: 0179**

ASSIGNMENT

WHEREAS, Elmar Mayer and Johann Oberhauser, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled POSITION MEASURING ARRANGEMENT, executed by Assignors on the same date as this Assignment;

WHEREAS, Dr. Johannes Heidenhain GmbH, a corporation organized and existing under the laws of Germany, having a place of business at Traunreut, Germany, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or

any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATE: 9/17/2008

Elmar Mayer  
Elmar Mayer

WITNESSED:

DATE: 9/17/2008

Gertl Reyer

DATE: 9/17/2008

Marion Krüger

DATE: 09/17/2008

Johann Oberhauser  
Johann Oberhauser

WITNESSED:

DATE: 9/17/2008

Gertl Reyer

DATE: 9/17/2008

Marion Krüger