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PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Yoshiyuki NAKAMURA and Hiroshi HAGA

Execution Date(s) March 14, 2006

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
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☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: DR. JOHANNES HEIDENHAIN GmbH

Internal Address: _____

Street Address: _____

Dr. Johannes Heidenhain Strasse 5

City: Traunreut

State: _____

Country: Germany Zip: 83301

Additional name(s) & address(es) 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 to whom correspondence concerning document should be mailed:

Name: Clifford A. Ulrich, Esq.

Internal Address: _____

Kenyon & Kenyon LLP

Street Address: One Broadway

City: New York

State: New York Zip: 10004

Phone Number: 212-425-7200

Fax Number: 212-425-5288

Email Address: culrich@kenyon.com

6. Total number of applications and patents involved:

01

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

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

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9. Signature:

Clifford A. Ulrich
Signature

March 14, 2006
Date

Clifford A. Ulrich (Reg. No. 42,194)

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 5

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ASSIGNMENT

WHEREAS, we,

Yoshiyuki NAKAMURA
590-4, Nakatsu, Aikawa-machi
Aikou-gun, Kanagawa-ken
Japan 243-0303
Citizenship: Japan

and

Mr. Hiroshi HAGA
2-8-9, Sumiyoshi-chou, Fuchu-shi
Tokyo-to
Japan 183-0034
Citizenship: Japan

have made certain inventions and discoveries in a **ROTARY ENCODER AND METHOD OF MANUFACTURING A ROTARY SHAFT**, for which an application for Letters Patent is being filed in the United States Patent and Trademark Office on the even date herewith; and

WHEREAS **DR. JOHANNES HEIDENHAIN GmbH**, having a place of business at **Dr.-Johannes-Heidenhain-Strasse 5, 83301 Traunreut, 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, including all divisional, renewal, substitute, and continuation 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 said inventions and discoveries, said patent applications, and 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 conception, disclosure, and reduction to practice of said inventions and discoveries; and to testify to the same in any interference, arbitration, or litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 14th day
of March, 2006.

Yoshiyuki Nakamura
Yoshiyuki NAKAMURA

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IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 14th day
of March, 2006.

Hiroshi Haga
Hiroshi HAGA

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