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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Roozbeh SHAHCHERAGHI; Jarl SOBEL; Kent BLOMKVIST and Hans LING

Additional names(s) of conveying party(ies) Yes No

2. Name and address of receiving party(ies):
Name: **ABB AB**
Address: **SE-721 83**

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: **October 8, 2001**

City: **Vasteras** State/Prov.:
Country: **Sweden** ZIP:

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

4. Application number(s) or patent numbers(s):
If this document is being filed together with a new application, the execution date of the application is:

| Patent Application No. | Filing date | B. Patent No.(s) |
|------------------------|---------------------------|------------------|
| 09/955,109 | September 19, 2001 | |

Additional numbers Yes No

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

7. Total fee (37 CFR 3.41):.....\$ **40.00**
 Enclosed - Any excess or insufficiency should be credited or debited to deposit account
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5. Name and address of party to whom correspondence concerning document should be mailed:
Name: **John P. DeLuca**
Registration No. **25,505**
Address: **DYKEMA GOSSETT PLLC**
Third Floor West, Franklin Square
1300 I Street, N.W.
City: **Washington** State/Prov.: **DC**
Country: **USA** ZIP: **20005-3306**

8. Deposit account number:
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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.

John P. DeLuca

1/24/2002

Name of Person Signing

Signature

4

Date

Total number of pages including cover sheet, attachments, and

ASSIGNMENT OF PATENT APPLICATION

WHEREAS we, Roozbeh SHAHCHERAGHI of Knutsgatan 6A, SE-722 14 Västerås, Sweden; Jarl SOBEL of Tegelvretsgatan 12, SE-722 19, Västerås, Sweden; Kent BLOMKVIST of Tackjärnsgatan 48, SE-724 77, Västerås, Sweden; and Hans LING of Jhulsta torg 1, SE-163 65, Spånga, Sweden, have made a certain new and useful invention as set forth in an application for United States Letters Patent for an invention entitled **TORQUE TRANSDUCER**, and executed by us on Oct 9, 2001, 2001, Serial No. 09/955,109, filed Sept 19, 2001.

AND WHEREAS ABB AB, of SE-721 83, Västerås, Sweden, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration in hand, receipt of which is hereby acknowledged, we do hereby sell, assign, transfer and set over unto ABB AB, its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-identified application, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

We request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said ABB AB, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby;

We hereby covenant that we have full right to convey the entire interest herein assigned and have not executed, and will not execute, any agreement in conflict herewith, and I also agree to execute all papers in connection with the application and any continuing or divisional

applications thereof and in connection with any interference which may be declared involving this application or any continuing or divisional application thereof;

AND we hereby grant the firm of DYKEMA GOSSETT PLLC the power to insert on this Assignment any further identification which may be necessary or desirable to comply with the rules of the United States Patent and Trademark Office for recordation of this Assignment.

8 October 2001
Date:

Roazbeh Shahcheraghii
Inventor:

WITNESSES:

(1) [Signature]

8 October 2001
Date:

(2) [Signature]

8 October 2001
Date:

8 October 2001
Date:

[Signature]
Inventor:

WITNESSES:

(1) [Signature]

8 October 2001
Date:

(2) [Signature]

8 October 2001
Date:

8 October 2001
Date:

Kim + Blumhardt
Inventor:

WITNESSES:

(1) [Signature]

8 October 2001
Date:

(2) [Signature]

8 October 2001
Date:

8 October 2001
Date:

Kim Y
Inventor:

WITNESSES:

(1) [Signature]

8 October 2001
Date:

(2) [Signature]

8 October 2001
Date:

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ID: JPD