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DEPARTMENT OF COMMERCE  
Patent and Trademark Office

RECOI



103486740

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):**

Niclas Sjöstrand (02/04/2008), Ivan Lundberg  
(02/04/2008), Johan Gunnar (02/04/2008), and Shiva  
Sander-Tavallaey (02/04/2008)

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

**2. Name and address of receiving party(ies)**

Name: ABB RESEARCH LTD.

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

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

Affolternstrasse 44

City: Zürich

State: \_\_\_\_\_

Country: Switzerland Zip: CH-8050

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

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

Execution Date(s): in parentheses after inventor name

☒ Assignment ☐ Merger ☐ Change of Name

☐ Security Agreement ☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other \_\_\_\_\_

**4. Application or patent number(s):**

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

A. Patent Application No.(s)

This application

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Eric J. Franklin  
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**6. Total number of applications and patents involved:**

1

**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)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 22-0261

Authorized User Name Eric J. Franklin

**9. Signature:**

Signature

February 27, 2008

Date

Eric J. Franklin - 37,134

Name of Person Signing

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

3

03/05/2008 MJAMA1 00000059 220261 12071894  
01 FC:8021 40.00 DA

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Niclas Sjöstrand, Södra Billstagatan 36, SE-722 40 Västerås, Sweden; Ivan Lundberg, Bangatan 5 D, SE-722 28 Västerås, Sweden; Johan Gunnar, Karlfeldtsgratan 15 B, SE-722 22 Västerås, Sweden; and Shiva Sander-Tavallacy, Tågvägen 33, SE-133 44 Saltsjöbaden, Sweden, hereinafter (collectively) referred to as the assignor, has invented certain improvements relating to DETECTION OF CONDITION CHANGES IN AN INDUSTRIAL ROBOT SYSTEM, for which said assignor has caused an application for United States Letter Patent to be prepared,

- [X] 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 Non-Provisional application having been filed in the United States Patent and Trademark Office on \_\_\_\_\_, and given Application Number \_\_\_\_\_;
- [ ] said application having been filed under the Patent Cooperation Treaty on \_\_\_\_\_, and given Application No. \_\_\_\_\_, the United States of America having been designated.

AND WHEREAS           ABB Research Ltd.  
                          Affolternstrasse 44  
                          CH-8050 Zürich  
                          Switzerland

hereinafter referred to as the assignees are desirous of acquiring the entire right, title and interest in and to said application, including any divisions and continuations thereof, and in and to said invention and any patents which may be granted therefor, including any 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 assignees 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 invention and to said application, including any divisions and continuations thereof, and in any patents which may be granted therefor, including any renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said invention and said application, including any divisions and continuations thereof, and any patents which may be granted therefor, including any 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 such patents when granted, including any 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 acts relating to the obtaining or to the asserting of said patents, including any 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 divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this 04 day of February, 2008

Signature: Niclas Sjöstrand  
Name: Niclas Sjöstrand  
Address: Södra Billstagatan 36, SE-722 40 Västerås, Sweden


EXECUTED, this 04 day of FEB, 2008

Signature: Ivan Lundberg  
Name: Ivan Lundberg  
Address: Bangatan 5 D, SE-722 28 Västerås, Sweden

EXECUTED, this 4 day of Feb, 2008

Signature:   
Name: Johan Gunnar  
Address: Karlfeldtskatan 15 B, SE-722 22 Västerås, Sweden

EXECUTED, this 4 day of Feb, 2008

Signature:   
Name: Shiva Sander-Tavallaey  
Address: Tågvägen 33, SE-133 44 Saltsjöbaden, Sweden