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PATENTS ON

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To the Director of the U.S. Patent and Trademark Office: Please record this

1. Name of conveying party(ies):

Håkan Fortell (9/4/2006) and Henrik Jerregård  
(8/31/2006)

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

2. Name

Name:

Internal Address:

Street Address:

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

City: Västerås

State:

Country: Sweden Zip: SE-721 83

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

4. Application or patent number(s):

A. Patent Application No.(s)

This application

☒ This document is being filed together with a new 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  
VENABLE LLP

Internal Address: Atty. Dkt.: 43315-236057

Street Address: P.O. Box 34385

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  
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Authorized User Name Eric J. Franklin

9. Signature:

Signature

September 18, 2006

Date

Eric J. Franklin - 37,134

Name of Person Signing

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

2

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Håkan FORTELL, Julrosvägen 8, S-722 46 VÄSTERÅS, Sweden; and Henrik JERREGÅRD, S:ta Ursulas väg 7, S-722 18 VÄSTERÅS, Sweden, hereinafter (collectively) referred to as the assignor, has invented certain improvements relating to SYSTEM OF MANIPULATORS AND METHOD FOR CONTROLLING SUCH A SYSTEM for which said assignor has caused an application for United States Letter Patent to be prepared,

- ☐ 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 16 March 2005, and given Application No. PCT/EP2005/051218, the United States of America having been designated.

AND WHEREAS            ABB AB  
                             SE-721 83 Västerås  
                             Sweden

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 4 day of September, 2006

Signature: Håkan Fortell  
Name: Håkan FORTELL  
Address: Julrosvägen 8, S-722 46 VÄSTERÅS, Sweden

EXECUTED, this 31 day of August, 2006

Signature: Henrik Jerregård  
Name: Henrik JERREGÅRD  
Address: S:ta Ursulas väg 7, S-722 18 VÄSTERÅS, Sweden