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Form PTO-1595 (Rev. 08/05)  
OMB No. 0651-0027 (exp. 6/30/2008)

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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.

*6/28/06*

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

Andrea Moroni (5/18/2006), Massimo Civetta (5/18/2006), and Rossano Marchesi (5/18/2006)

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

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

Name: ABB Service S.r.l

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

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

Via Vittor Pisani, 16

City: Milano

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

Country: Italy Zip: I-20124

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)

11/431,511

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Brian J. Hairston  
CONNOLLY BOVE LODGE & HUTZ LLP

Internal Address: Atty. Dkt.: 22106-00119-US1

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Suite 800

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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 22-0185

Authorized User Name Brian J. Hairston

**9. Signature:**

*Brian J. Hairston*  
Signature

*June 28, 2006*  
Date

Brian J. Hairston - 46,750

Name of Person Signing

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

4

06/30/2006 NJANA1 00000131 220185 11431511  
01 FC:8021 40.00 DA

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by MORONI Andrea, MARCHESI Rossano and CIVETTA Massimo hereinafter referred to as Assignors, residing at Via Raimondi, 59/A - I-21055 Gorla Minore (VA) – Italy; Via degli Ulivi, 33 - I-22014 Dongo (CO) – Italy; Via degli Ulivi, 6 - I-22010 Musso (CO) - Italy, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in

DEVICE FOR DETECTING THE POSITION OF A MOBILE ELEMENT TO WHICH IT IS COUPLED AND RELATED MOBILE ELEMENT.

set forth in a:

- Provisional U.S. Application for Letters Patent, Serial No. \_\_\_\_\_,
- Non-Provisional U.S. Application for Letters Patent, Serial No. 11/431,511,
- U.S. National Stage Entry of International Application Serial No. \_\_\_\_\_,
- Continuation of U.S. Patent Application Serial No. \_\_\_\_\_,
- U.S. Continuation of International Application. Serial No. \_\_\_\_\_,
- Divisional of U.S. Patent Application Serial No. \_\_\_\_\_,
- Continuation-in-Part Application (CIP) claiming benefit of Appl. Ser. No. \_\_\_\_\_,
- International Application Serial No. \_\_\_\_\_,

(check one):

- attached herewith;
  - previously filed on May 11, 2006;
- and

WHEREAS, ABB Service S.r.l., a corporation organized under and pursuant to the laws of Italy, having its principal place of business at Via Vittor Pisani 16 – I-20124 Milano - Italy (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor(s) has/have sold, assigned, transferred and set over, and by these presents do sell, assign,

transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor(s), had this sale and assignment not been made.

**AND** for the same consideration, Assignor(s) hereby represent(s) and warrant(s) to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor(s) are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignor(s) hereby covenant(s) and agree(s) to and with Assignee, its successors, legal representatives and assigns, that Assignor(s) will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor(s) hereby request(s) the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignor(s) hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

All registered practitioners at Customer No. 30678

Connolly Bove Lodge & Hutz LLP,  
1990 M Street, N.W., Suite 800,  
Washington, DC 20036-3425

AND Assignor(s) acknowledge(s) an obligation of assignment of this invention to Assignee at the time the invention was made.

  
MORONI Andrea

Date: May 18, 2006

  
MARCHESI Rossano

Date: May 18, 2006

  
CIVETTA Massimo

Date: May 18, 2006