

08-13-2003



RECORDATION FORM COVER SHEET
PATENTS ONLY - ABMS-0118/B000320

102522558

and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

ABB T&D Technology Ltd. **March 19, 2002**
First Assignor Date of Execution

Second Assignor Date of Execution

Third Assignor Date of Execution

Fourth Assignor Date of Execution

Fifth Assignor Date of Execution

Sixth Assignor Date of Execution

Additional name(s) of conveying party(ies) attached? YES NO

8-11-03

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

Name: **ABB Technology AG**

Street Address: Affolternstrasse 44

City: Zurich

State Switzerland

ZIP 8050

Additional name(s) & address attached? YES NO

OFFICE OF PUBLIC RECORDS
2003 AUG 11 AM 10:21
FINANCE SECTION

3. Nature of Conveyance (check only one):

- New Assignment
- License Agreement
- Change of Name**
- Merger
- Security Agreement
- Other:

4. Identification of Application number(s), patent number(s) OR date of execution of application to which assignment refers:

Application Nos.:

09/749,973

Patent Nos.:

Date application was signed by the first named executing inventor

(Fill-in this date only if assignment is filed together with a new application)

5. Name and address of party to whom correspondence concerning documents should be mailed:

Name: **Jonathan M. Waldman, Esq.**
WOODCOCK WASHBURN LLP
One Liberty Place - 46th Floor
Philadelphia, Pennsylvania 19103-7301
215-568-3100

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): **\$40.00**

- Enclosed**
- Authorized to be charged to Deposit Account Number 23-3050

8. Please charge any deficiency or credit any overpayment to Deposit Account Number 23-3050

DO NOT USE THIS SPACE

9. Statement and signature.

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.

Jonathan M. Waldman/Reg. No. 40,861

Name of Person Signing/Reg. No.

Signature

August 8, 2003
Date

Total number of pages including cover sheet, assignment document and additional pages attached thereto: 3

Mail documents to be recorded with required cover sheet information to:

08/12/2003 6TDM11 00000221 09749973

01 FC:8021

40.00 DP

Mail Stop Assignment Recordation Services
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450



HANDELSREGISTERAMT DES KANTONS ZÜRICH

CERTIFICATION

issued by the Commercial Registry of Canton Zurich

It is hereby certified that the following company is entered in the Commercial Register of Canton Zurich: a joint stock company by the name of

ABB Technology AG
(ABB Technology SA) (ABB Technology Ltd)

domiciled in Zurich
 Address: Affolternstrasse 44, 8050 Zurich

The Commercial Register also indicates the following for the aforementioned company:

Purpose: acquisition, administration, disposal and other utilisation of incorporeal rights (patents, copyrights, trademark rights), rights to know-how and technologies, planning, organisation, administration and funding of research and development, provision of technical, administrative and commercial counselling services as well as the transaction all business indirectly or directly relevant to the aforementioned purposes; may participate in other businesses, open branches as well as subsidiaries at home and abroad.

Share capital: CHF 100'000.- (CHF one-zero-zero-zero-zero-zero 00/00)

Of which is paid in: CHF 100'000.- (CHF one-zero-zero-zero-zero-zero 00/00)

This company has been entered in the Commercial Register of Canton Zurich since 06th December 1993. It has been entered in the aforementioned register under the following versions:

From 06th December 1993 - 25th January 2002

ABB T&D Technology AG
(ABB T&D Technology SA) (ABB T&D Technology Ltd)

It has been entered since 25th January 2002 under the following name:

ABB Technology AG
(ABB Technology SA) (ABB Technology Ltd)

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The Commercial Register of Canton Zurich contains particulars in reference to the aforementioned company pertaining to the power of representation, in addition to other particulars. The following is entered in reference to the power of representation, among other things:

Member of the board of directors with joint signatory power (minimum of two):

Ström, Olla, Swedish national, in Zurich, chairperson of the board of directors-----
 Liebold, Henry, German national, in Uster, vice-chairperson of the board of directors-----
 Haltenberger, Claudia, of Hirzel, in Zurich-----
 Fürer, Thomas, of Baar and Waldkirch, in Baar-----
 Weibel, Beat, of Zurich and Jonschwil, in Utikon-----

With joint signatory power (minimum of two):

Germann, Jürgen, German national, in Wutöschingen (D)-----
 Hartmann, Peter, of Möriken AG, in Windisch-----
 Rytöft, Claes, Swedish national, in Adliswil-----
 Schett, Georg, of Bad Ragaz, in Winterthur-----

Audit body:

KPMG Fides Peat, in Zurich-----

It is further certified that the aforementioned company is organized according to the laws of Switzerland.

The Commercial Registry Office of the Canton of Zurich can offer no guarantee as to the accuracy of the translation from the original German text of this entry in the Commercial Register.

Zurich, Switzerland, 19th March 2002
 Company number: CH-020.3.004.411-1
 Signed: AE
 Fee: CHF 210.--



E. Arnold