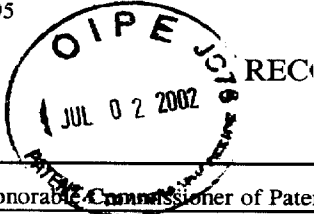


07-09-2002

FORM PTO-1595
(Rev. 6/93)



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PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Attorney's Docket No. 033275-002

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

1. Name of conveying party(ies):

ABB Schweiz Holding AG

07/02/02

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

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name

Other: _____

Execution Date: June 12, 2002

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

Name: ALSTOM (Switzerland) Ltd

Address: Brown Boveri Strasse 7

CH-5401 Baden

Switzerland

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

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

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)

6,075,303; 6,345,236

Additional numbers attached? Yes No

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

Name: Robert S. Swecker

Address: BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404

Alexandria, Virginia 22313-1404

6. Total number of applications and patents involved: 2

7. Total fee (37 CFR § 3.41): \$ 80.00

Enclosed

Authorized to be charged to deposit account, if necessary

8. Deposit account number:

02-4800

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.

Robert S. Swecker, #19,885
Name of Person Signing

[Signature]
Signature

July 2, 2002
Date

Total number of pages including cover sheet, attachments, and document: 4

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

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07/08/2002 TDIAZ1 00000155 6075303

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80.00 DP

(10/01)

PATENT
REEL: 013045 FRAME: 0805

ASSIGNMENT

THIS ASSIGNMENT is effective as of the first day of November, 2000.

WHEREAS, ABB Schweiz Holding AG (formerly Asea Brown Boveri AG), a Swiss corporation, having its principal place of business at Brown Boveri Strasse 6, CH-5400 Baden, Switzerland, is the record owner of United States Letters Patents listed in Appendix A attached; and

WHEREAS, certain assets including United States Letters Patents in Appendix A were duly assigned and transferred by the said ABB Schweiz Holding AG to ALSTOM (Switzerland) Ltd, a Swiss corporation, having its principal place of business at Brown Boveri Strasse 7, CH-5401 Baden, Switzerland; and

WHEREAS, the parties desire to record this instrument in the United States Patent and Trademark Office attesting to the assignment of said United States Letters Patents;

NOW, THEREFORE, for good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, ABB Schweiz Holding AG acknowledges that it has sold, assigned and transferred, nunc pro tunc as of November 1, 2000, to ALSTOM (Switzerland) Ltd the entire right, title and interest in and to the said Letters Patents, including any reissues, reexamined patents, continuations and divisions of said Letters Patents, said Letters Patents to be held and enjoyed by ALSTOM (Switzerland) Ltd for its own use and for the use of its legal representatives, successors and assigns, to the full

end of the term for which the said Letters Patents are granted, as fully and entirely as the same would have been held by ABB Schweiz Holding AG had this assignment not been made, together with all claims for past infringement of said Letters Patents and with the right to sue for and to collect damages for such infringement.



Date: June 12, 2002

Name: Beat Weibel

Title: General Manager

Company: ABB Schweiz Holding AG
(formerly: Asea Brown Boveri AG)



Date: June 12, 2002

Name: Jörg Kubat

Title: General Manager

Company: ABB Schweiz Holding AG
(formerly: Asea Brown Boveri AG)

APPENDIX A

1. U.S. Patent No. 6,075,303 (our ref 98/061 US)
2. U.S. Patent No. 6,345,236 (our ref 98/110 US)