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U.S. DEPARTMENT OF COMMERCE

(Rev. 6-93)



Patent and Trademark Office

OMB No. 0651-0011 (exp. 4/94)

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

1. Name of conveying party(ies):

- 1. Steffen Bernet
- 2. Thomas Brückner
- 3. Peter Steimer

(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: Switzerland

ZIP: CH-8050

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: July 5, 1999 for 1 and 2
July 13, 1999 for 3

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)

09/347,104

B. Patent No. (s)

Additional numbers attached Yes No

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

Name: Lerner and Greenberg

Internal Address: _____

Street Address: P.O. Box 2480

City: Hollywood State: FL ZIP: 33022

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

8. Deposit account number:

(Attach duplicate copy of this page by deposit account)

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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.

RALPH E. LOCHER
REG. NO. 41,947

Name of Person Signing

Signature

11/29/00

Date

2

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

12/22/2000 DNGUYEN 00000530 09347104

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Mailed documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

PATENT
REEL: 011355 FRAME: 0468

Docket No.: Mp/Nr 98/590

ASSIGNMENT

WHEREAS WE, STEFFEN BERNET, THOMAS BRÜCKNER and PETER STEIMER residing respectively at BAMMENTAL, GERMANY, HEIDENAU, GERMANY and UNTEREHRENDINGEN, SWITZERLAND have invented certain new and useful improvements in a

THREE-POINT CONVERTER AND METHOD FOR ITS OPERATION

for which an application for Letters Patent of the United States of America was executed on the date of execution of this assignment;

WHEREAS, ABB RESEARCH LTD., a Swiss Corporation doing business at Zürich, Switzerland is desirous of acquiring the entire interest in said invention, and in any and all Letters Patent of the United States that may be obtained therefor;

NOW THEREFORE, be it known that for and in consideration of the sum of One (\$1.00) Dollar to each of us in hand paid, the receipt of which is hereby acknowledged, and other valuable consideration, we have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said corporation, its legal representatives, successors and assigns, the full and exclusive right to the said invention as fully set forth and described in the above-mentioned application, and to said application and any and all divisions and continuations thereof, and any and all Letters Patent of the United States which may be granted therefor, and any and all reissues of said Letters Patent, the same to be held and enjoyed by the said corporation, its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted or may be reissued or extended, as fully and entirely as the same would have been held by us had this Assignment and sale not been made.

AND WE hereby authorize the Commissioner of Patents to issue any and all Letters Patent of the United States on said invention or resulting from said application and from any and all divisions and continuations thereof to the said corporation as the assignee of the entire right, title and interest in and to the same.

IN TESTIMONY WHEREOF, we have hereunto set our hands and seals.

In the presence of:

Ralph Tillmann
Witness

Steffen Bernet (LS)
STEFFEN BERNET

Date: 07/05/99

Ralph Tillmann
Witness

Thomas Brückner (LS)
THOMAS BRÜCKNER

Date: 07/05/99

W. Stein
Witness

P. Steimer (LS)
PETER STEIMER

Date: 13/07/99