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U.S. DEPARTMENT OF COMMERCE

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Patent and Trademark Office

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102448304

To the Honorable Commissioner of Patents and Trademarks, please record the enclosed original documents or copy thereof.

1. Name of conveying party(ies): 5-9-03

1) Lothar Heinemann

2) Jens Helfrich

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

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other**Execution Date: August 15, 2002 for 1,
September 8, 2002 for 2.**

2. Name and address of receiving party(ies)

Name: ABB Patent GmbHStreet Address: Postfach 10 03 51City: MannheimState: GermanyZIP: D-68128Additional 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):

10/213,415

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 2480City: HollywoodState: FLZIP: 33022

6. Total number of applications and patents involved:

17. Total fee (37 CFR 3.41) \$ 40.00☒ Enclosed☐ Authorized to be charged to 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.

DENISE LETTAU

Name of Person Signing

Denise Lettau

Signature

May 6, 2003

Date

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

2Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231**PATENT**
REEL: 014055 FRAME: 0435

ASSIGNMENT

WHEREAS WE, LOTHAR HEINEMANN, and JENS HELFRICH, residing respectively at HIRSCHBERG-LEUTERSHAUSEN, and SPEYER, Germany, have invented certain new and useful improvements in an

INHERENTLY SHORT-CIRCUIT RESISTANT POWER DISTRIBUTION SYSTEM

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 PATENT GMBH, a German corporation doing business at Mannheim, Germany, 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 our employment by the said corporation and other valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, 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:

M. L. Barth

M. L. Barth



LOTHAR HEINEMANN

(LS)

Date: 2002-08-15



JENS HELFRICH

(LS)

Date: 2002-09-08