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1. Name of conveying party(ies)

Yuri Iossel
Grigory Kazarov
Veijo Koski
Alexey Poliakov
Heiko Gebhardt

Addit'l name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement
☐ Change of name
☐ Other

Execution Date: May 28, 1999 (Yuri Iossel, Grigory Kazarov, Veijo Koski & Alexey Poliakov) and June 7, 1999 (Heiko Gebhardt)

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

Asea Brown Boveri AB
S-721 83
Västerås, SWEDEN

Addit'l. 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)
09/297,200

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Elzbieta Chlopecka
Pollock, Vande Sande & Amernick
Suite 800
1990 M Street, N.W.
Washington State: D.C. Zip: 20036

6. Total number of applications and patents involved [1]

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

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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.

Elzbieta Chlopecka

Date: 06-20-1999

Elzbieta Chlopecka
Registration No. 32,767

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PATENT
REEL: 010051 FRAME: 0147

ASSIGNMENT

WHEREAS, we, Yuri Iossel, Grigory Kazarov, Veijo Koski and Alexey Poliakov of Finland and Heiko Gebhardt of Luxembourg, have invented certain improvements entitled LAND ELECTRODE FOR A HIGH VOLTAGE DIRECT CURRENT TRANSMISSION SYSTEM and described as U.S. National Application of PCT/SE97/01330 filed 7 August 1997;

WHEREAS, ABB POWER SYSTEMS AB, Box 703, S-771 80 Ludvika, SWEDEN (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and its territorial possessions, and in any and all foreign countries and all reissues, divisions, continuations, extensions, substitutions and renewals thereof;

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, we, by these presents, do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions, and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions, and in any and all foreign countries, and in and to any and all divisions, reissues, continuations, substitutions, renewals and extensions thereof, and all rights of priority resulting from the filing of said U.S. application.

We hereby authorize and request the Patent Trademark Office officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of our entire right, title and interest in and to the same, for the sole use and behoof of the said ASSIGNEE, its successors and

assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

FURTHER, we agree that we will communicate to said ASSIGNEE or its representatives any facts known to respecting said discovery, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and generally do everything possible to aid said ASSIGNEE, its successors, and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions, and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Pollock, Vande Sande & Amernick, R.L.L.P., 1990 M Street, N.W., Suite 800, P.O. Box 19088, Washington, D.C. 20036 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 Office for recordation of this document.

IN TESTIMONY WHEREOF, we hereunto set our hands as follows:

Date: 28.05.99

By: 
YURI IOSSEL

Date: 28.05.95

By: 
GRIGORY KAZAROV

Date: 28.05.99

By: 
VEIJO KOSKI

Date: 28.05.95

By: 
ALEXEY POLLAKOV

Date: 7 6 99

By: 
HEIKO GEBHARDT