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Docket No.: 66411-086

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Jouko NIIRANEN

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☐ Yes ☒ No

3. Nature of conveyance:

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Execution Date: September 20, 2004

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

Name: ABB OY

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City: Helsinki State/Prov.:

Country: FINLAND

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

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

Patent Application No.

Filing date

B. Patent No.(s)

10/502,023

July 21, 2004

Additional numbers

☐ Yes ☒ No

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

Name: John P. DeLuca

Registration No. 25,505

Address: 1300 I Street, NW

Suite 300 West

City: Washington State/Prov.: DC

Country: USA ZIP: 20005

6. Total number of applications and patents involved:

1

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

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September 6, 2005

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PATENT
REEL: 016953 FRAME: 0870

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Atty. Dkt. 66411-086

ASSIGNMENT OF PATENT APPLICATION

WHEREAS I, Jouko Niiranen, of
Kylänevantie 2 A 4, FI-00320 Helsinki, Finland, have made a certain new and
useful invention as set forth in an application for United States Letters Patent
for an invention entitled Method for defining quadrature-axis magnetizing
inductance of synchronous machine, and executed by me on
Serial No. 10/502,023, filed July 21, 2004;

AND WHEREAS ABB OY, of
Strömbergintie 1, FI-00380 Helsinki, Finland, is desirous of acquiring the
entire right, title and interest in and to said invention and in and to any and all
Letters Patent of the United States which may be obtained therefor;

NOW, THEREFORE, for \$10.00 and other good and valuable
consideration in hand, receipt of which is hereby acknowledged, I do hereby
sell, assign, transfer and set over unto

ABB OY, its legal representatives,
successors, and assigns, the entire right, title and interest in and to said
invention as set forth in the above-identified application, and in and to any and
all patents of the United States which may be issued for said invention;

I request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said ABB OY, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby;

I hereby covenant that I have full right to convey the entire interest herein assigned and have not executed, and will not execute, any agreement in conflict herewith, and I also agree to execute all papers in connection with the application and any continuing or divisional applications thereof and in connection with any interference which may be declared involving this application or any continuing or divisional application thereof;

AND I hereby grant the firm of DYKEMA GOSSETT PLLC the power to insert on this Assignment any further identification which may be necessary or desirable to comply with the rules of the United States Patent and Trademark Office for recordation of this Assignment.

20 Sept. 2004

Date:

[Signature]

Inventor: Jouko Niiranen

WITNESS:

(1) [Signature]

20.9.2004

Date:

(2) [Signature]

20. Sept. 2004

Date: