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BERT KARLSSON

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement
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Execution Date: August 11, 1998

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

ABB Daimler-Benz Transportation (Sweden) AB
S-721 73 Västerås, SWEDEN

Add'l. name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s): 09/101,319

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)

Additional numbers attached? ☐ Yes ☒ No

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

Elzbieta Chlopecka
Pollock, Vande Sande & Priddy
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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Elzbieta Chlopecka

Date: 09-03-1998

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ASSIGNMENT

WHEREAS, I, BERT KARLSSON have invented certain improvements in and to "CONVERTER EQUIPMENT" and described in U.S. Patent Application filed July 7, 1998 as U.S. National Application of PCT/SE97/00106 filed January 22, 1997;

WHEREAS, ABB Daimler-Benz Transportation (Sweden) AB, S-721 73 Västerås, 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, I, 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.

I 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.

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FURTHER, I agree that I 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.

IN TESTIMONY WHEREOF, I hereunto set my hand as follows:

Date: 11 Aug. 98

By: Bert Karlsson
BERT KARLSSON