08-23-2002

U.S. Department of Commerce Form **PTO-1595** heet (Rev. 03-01) U.S. Patent and Trademark Office OMB No. 0651-0027 (exp. 5/31/2002) Tab settings ⇒ ⇒ ▼ Please record the attached original documents or copy thereof To the Honorable Commissioner of Patents and Trademarks. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies) Teiichi Furukawa Hitachi, Ltd. 6, Kanda Surugadai 4-chome Additional name(s) of conveying parties attached? X Yes No. Chiyoda-ku 3. Nature of conveyance: Tokyo, Japan Merger Additional names and addresses attached? X Yes X No ☐ Security Agreement Change of Name Other: Execution Date: August 2, 2002 10222048 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: August 2, 2002 Patent Application No(s): Patent No(s): Additional numbers attached?

Yes

No 6. Total number of applications and patents involved 1 Name and address of party to whom correspondence 5. concerning document should be mailed: Robert C. Colwell 7. Total fee (37 CFR 3.41): -----\$\frac{40.00}{} Name: TOWNSEND AND TOWNSEND AND CREW LLP Two Embarcadero Center, 8th Floor ☐ Enclosed San Francisco, California 94111-3834 (415) 576-0200 Authorized to be charged to deposit account 8. Deposit account number: 20-1430 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE

Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document.

Joe Liebeschuetz

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- Additional application number(s) or patent number(s): (Continued from Page 1)
 - A. Patent Application No.(s)

B. Patent No.(s)

PA 3243697 v1

PATENT REEL: 013206 FRAME: 0724 100 Est 200 10 73 8/20

ASSIGNMENT

(譲渡証)

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to the below named inventor(s), citizens of Japan by HITACHI, LTD., and HITACHI KEIYO ENGINEERING & SYSTEMS, LTD., corporations organized under the laws of Japan,

located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, and 1-1 Higashi-Narashino 7-chome, Narashino-shi, Chiba 275-0001, Japan, respectively,

receipt of which is hereby acknowledged, we, the below named inventor(s), do hereby sell and assign to said HITACHI, LTD., and HITACHI KEIYO ENGINEERING & SYSTEMS, LTD.,

their successors and assigns, all our right, title and interest, in and for the United States of America, in and to METHOD FOR MODULATING PULSE WIDTH, POWER CONVERTER, AND INVERTER

invented by us and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said HITACHI, LTD., and HITACHI KEIYO ENGINEERING & SYSTEMS, LTD.

their successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made;

And we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD., and HITACHI KEIYO ENGINEERING & SYSTEMS, LTD.

Signed on the date(s) indicated aside signatures:

INVENTOR(S)

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