FORM PTO-1595 (Rev. 6-93)

01 FC:8021

OMB No. 0651-0011 (exp. 4/94) M&G- 10921.0159US01



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Yes 

No Nature of conveyance: Assignment Merger Change of Name Security Agreement Other: Execution Date: January 8, 2003 10355979 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: January 8, 2003 B. Patent No.(s) A. Patent Application No.(s) Additional numbers attached? Yes No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 Douglas P. Mueller ⊠ Enclosed Name: Merchant & Gould P.C. Authorized to be charged to deposit account Address: P.O. Box 2903 Minneapolis, MN 55402-0903 8. Please charge any additional fees or credit any overpayments to our Deposit account number: 13-2725 DO NOT USE THIS SPACE 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. January 30, 2003 Douglas P. Mueller Signature Name of Person Signing Total number of pages including cover sheet, attachments, and document: 2 Do not detach this portion Mail documents to be recorded with required cover sheet information to: **Box Assignments** Director - U.S. Patent and Trademark Office Washington, D.C. 20231 Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of information systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503. 02/10/2003 ECOOPER 00000009 10355979

> PATENT REEL: 013726 FRAME: 0331

## ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

DAIHEN Corporation 2-1-11, Tagawa, Yodogawa-ku, Osaka-shi, Osaka 532-8512 Japan

(hereinafter ASSICNEE) all right, title and interest for the United States, its territories

and possessions in and to his invention relati		dies, its territories
IMPEDANCE MATCHING DEVICE PROVIDED	WITH REACTANCE-IMP	PEDANCE TABLE
as set forth in his United States Patent Appli [X] executed concurrently herewi [] executed on	th	
Serial No.	filed	
in and to said United States Patent Applic continuations thereof and in and to any and a may issue on any such application or for said extensions thereof, to be held and enjoyed representatives and assigns to the full end of Letters Patent may be granted as fully and en- the undersigned had this Assignment not been m	ll Letters Patent of the invention, including any by said ASSIGNEE, it the term or terms for what irely as would have been	United States which and all reissues or successors, legal nich any and all such
Each of the undersigned hereby authorizes Trademarks to issue any and all such Letters	and requests the Commiss	
assigns in accordance herewith;  Each of the undersigned warrants and covright to sell and assign the interests here executed and will not execute any document or Each of the undersigned further covenants said ASSIGNEE, its successors, legal represent ASSIGNEE, its successors, legal representative relating to said invention or patent applicate papers, make all rightful oaths, testify in lawful acts deemed necessary or desirable representatives or assigns to perfect titlincluding divisions and continuations thereof be granted therefor or thereon, including resuccessors, or assigns or to assist said ASSIGN assigns in obtaining, reissuing or enforcing I invention.	in sold and assigned a instrument in conflict he and agrees that at any atives or assigns he will es or assigns all infortion and that he will exemple any legal proceedings are by said ASSIGNEE, its e to said invention, and to any and all Lett issues or extensions, in NEE, its successors, legal	and that he has not erewith; time upon request of communicate to said mation known to him cute and deliver any deperform all other successors, legal to said application ers Patent which may said ASSIGNEE, itself representatives or
January	</	January
The date 8, 2003	Muji Umae	date 8, 2003
Mane: Yasuhiro Nishimori	Mame: Shuji Omae	
Tanuaru	juji Ishida	January
MASAKATSU MITO date 8, 2003	Name: 1011 IS/UAU	date <u>8, 2003</u>
Name: Masakatsu Mito  January	Name: Y $U$ ji Ishida	
N. Michael date 8, 2003		date
Name: Koji Itadani	Name:	- <del></del>

Note: Prima facie evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.

**PATENT** RECORDED: 01/30/2003 REEL: 013726 FRAME: 0332