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. DEPARTMENT OF COMMERCE

Patent and Trademark Office

101175274 Attorney's Docket No. 027260-318 To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): (1) Takeshi SHIGENOBU; (2) Masao ITO and MITSUBISHI DENKI KABUSHIK Name: (3) Toshio KUMAMOTO KAISHA Address: 2-3, Marunouchi 2-chome, Chiyoda-ku Additional name(s) of conveying party(ies) attached? [] Yes [X] No Tokyo 100-8310, Japan 3. Nature of conveyance: [X] Assignment Merger [] Security Agreement Change of Name Other: __ Additional name(s) & address(es) attached? [] Yes [X] No Execution Date: September 29, 1999 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: September 29, 1999 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? [] Yes [X] No 5. Name and address of party to whom correspondence concerning 6. Total number of applications and patents involved: 1 document should be mailed: Name: Platon N. Mandros 7. Total fee (37 CFR 3.41): \$40.00 Address: Burns, Doane, Swecker & Mathis, L.L.P. [X] Enclosed P.O. Box 1404 [X] Authorized to be charged to deposit account, if necessary 22313-1404 8. Deposit account number: 02-4800 DO NOT USE THIS SPACE 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. Platon N. Mandros, RN 22,124 Name of Person Signing October 6, 1999

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231

PATENT (10/97)
REEL: 010314 FRAME: 0734

Total number of pages including cover sheet, attachments, and document: 3

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ASSIGNMENT

(JOINT)

THIS ASSIGNMENT, by Takeshi Shigenobu, Masao Ito and	
Toshio KUMAMOTO XXXXX	Toshio
, residing at Tokyo, Japan	
hook (hereinafter referred to as "the Assignors"),	2500
espectively, witnesseth:	respective
WHEREAS, the Assignors have invented certain new and useful improvements in "SAMPLE HOLD CIRCUIT" set forth in an	"SAMPL
application for Letters Patent of the United States, [] which is a provisional application to be filed	application
nerewith; 🛛 which is a non-provisional application having an oath or declaration executed on even	herewith;
date herewith prior to filing of application; [] bearing Application No,	date herev
and filed on; and	
WHEREAS, <u>MITSUBISHI DENKI KABUSHIKI KAISHA</u> ,	
corporation duly organized under and pursuant to the laws of <u>Japan</u> and having its	a corporat
principal place of business at <u>2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo</u>	principal p
100-8310 Japan (hereinafter referred to as "the Assignee"), is desirous of acquiring the	100-831
entire right, title, and interest in and to said inventions, the right to file applications on said	entire righ
nventions and the entire right, title and interest in and to any applications, including provisional	inventions
applications for Letters Patent of the United States or other countries claiming priority to said	application
application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained	application
herefor and thereon.	therefor ar

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

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Application Serial No.	
Attorney's Docket No.	

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of Burns, Doane, Swecker & Mathis, L.L.P. of Alexandria, Virginia, to insert in the spaces provided above the filing date, application number, and attorney docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date _	Sep. 29,	1999	Name of	Assignor _	7.eshi	Shigenoon	Takeshi SHIGENOBU
Date _	Sep. 29,	1999	Name of	Assignor _	Trasc	ro Ito	Masao ITO
						•	Toshio KUMAMOTO
Date _			Name of	Assignor _			
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