

02-04-2003



R SHEET

102355663

Attorney's Docket No. 027260-644

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): **1-28-03**  
Katsuya MIZUMOTO, Hiroshi SHIROTA,  
Ryosuke OKUDA and Kazuaki TANIDA  
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No  
3. Nature of conveyance:  
☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
Other: \_\_\_\_\_  
Execution Date: January 15, 2003

2. Name and address of receiving party(ies):  
Name: 1) Mitsubishi Denki Kabushiki Kaisha  
Address: 2-3, Marunouchi 2-chome  
Chiyoda-ku  
Tokyo 100-8310  
JAPAN  
Additional name(s) & address(es) attached? ☒ Yes ☐ No

PTO  
10/352164  
01/28/03

4. Application number(s) or patent number(s): **10352164**  
If this document is being filed together with a new application, the execution date of the application is: January 15, 2003  
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:  
Name: Platon N. Mandros  
Address: BURNS, DOANE, SWECKER & MATHIS, L.L.P.  
P.O. Box 1404  
Alexandria, Virginia 22313-1404

6. Total number of applications and patents involved: 1  
7. Total fee (37 CFR § 3.41): \$ 40.00  
☒ Enclosed  
☒ Authorized to be charged to deposit account, if necessary  
8. Deposit account number:  
02-4800

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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.*  
Platon N. Mandros, Reg. No. 22,124 January 28, 2003  
Name of Person Signing Signature Date  
Total number of pages including cover sheet, attachments, and document: 4

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

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

01/29/2003 FFANAEIA 00000012 10352164

02 FC:8021

40.00 OP

(01/03)

2. Name and address of receiving parties (cont.):

- 2) Mitsubishi Electric System LSI Design Corporation  
1-17, Chuo 3-chome  
Itami-shi  
Hyogo 664-0851  
Japan

# ASSIGNMENT

## (JOINT)

THIS ASSIGNMENT, by Katsuya MIZUMOTO, Hiroshi SHIROTA,  
Ryosuke OKUDA, and  
Kazuaki TANIDA, residing at Tokyo, Japan  
and Hyogo, Japan (hereinafter referred to as "the Assignors"),  
 respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in  
see the attachment set forth in an  
 application for Letters Patent of the United States, [ ] which is a provisional application to be filed  
 herewith; [X] which is a non-provisional application having an oath or declaration executed on even  
 date herewith prior to filing of application; [ ] bearing Application No. \_\_\_\_\_,  
 and filed on \_\_\_\_\_; and

WHEREAS, see the attachment  
 a corporation duly organized under and pursuant to the laws of Japan and having its  
 principal place of business at see the attachment  
(hereinafter referred to as "the Assignee"), is desirous of acquiring the  
 entire right, title, and interest in and to said inventions, the right to file applications on said  
 inventions and the entire right, title and interest in and to any applications, including provisional  
 applications for Letters Patent of the United States or other countries claiming priority to said  
 application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained  
 therefor and thereon.

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;

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 January 15, 2003 Name of Assignor Katsya Mizumoto  
Katsuya MIZUMOTO

Date January 15, 2003 Name of Assignor Hiroshi Shiota  
HIROSHI SHIOTA

Date January 15, 2003 Name of Assignor Ryosuke Okuda  
Ryosuke OKUDA

Date January 15, 2003 Name of Assignor Kazuaki Tanida  
Kazuaki TANIDA

Date \_\_\_\_\_ Name of Assignor \_\_\_\_\_

Date \_\_\_\_\_ Name of Assignor \_\_\_\_\_

Date \_\_\_\_\_ Name of Assignor \_\_\_\_\_

Date \_\_\_\_\_ Name of Assignor \_\_\_\_\_