

4/23/04

08-26-2004

FORM PTO-1595		REC		U.S. Department of Commerce Patent and Trademark Office	
TI-34548		102823101			
To the Assistant Commissioner for Patents: Please record the _____ original document(s) or copy thereof.					
1. Name of conveying party(ies): Texas Instruments Japan, Ltd. 8/20/03 Masayuki Hira 8/12/03 Takahiro Matsuzawa 8/12/03 Yoritaka Saitoh 8/12/03 Keisuke Takeo 8/17/03			2. Name and Address of receiving party(ies): Name: TEXAS INSTRUMENTS INCORPORATED Address: P.O. Box 655474, MS 3999 City: Dallas State: TX Zip: 75265 Additional name(s) & address(es) attached? ___ Yes ___X___ No		
3. Nature of Conveyance: ___X___ Assignment ___ Merger ___ Security Agreement ___ Change of Name ___ Other _____ Execution Date in order of listed parties: 8/20/03; 8/12/03; 8/12/03; 8/12/03; 8/17/03					
4. Application number(s) or patent number(s). ___ This document is being filed together with a new application. Execution date of the application in order of listed parties: 8/20/03; 8/12/03; 8/12/03; 8/12/03; 8/17/03 Title: Semiconductor Storage Device Docket No: TI-34548 A. Patent Application No.(s) S.N. 10/624,814 B. Patent No.(s) X,XXX,XXX Additional numbers attached? ___ Yes ___X___ No Additional numbers attached? ___ Yes ___X___ No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Alan K. Stewart, Reg. No. 35,373 Texas Instruments Incorporated Address: P.O. Box 655474, MS 3999 City: Dallas State: TX Zip: 75265			6. Number of applications and patents involved: ___(1)___ 7. Amount of fee enclosed or authorized to be charged: \$40 8. Deposit Account No: 20-0668 (Attach duplicate copy if paying by deposit account)		
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. 8/20/04 Date Alan K. Stewart, Reg. No. 35,373 Total Number of Pages Including Cover Sheet, Attachments and Document: 5					

08/25/2004 MGETACHE 00000038 200668 10624814

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PATENT
REEL: 015710 FRAME: 0651

ASSIGNMENT

WHEREAS, TEXAS INSTRUMENTS JAPAN, LTD. (hereinafter **TIJ**), a Japanese company having its headquarters at 24-1 Nishi-Shinjuku 6-chome, Shinjuku-ku, Tokyo, Japan, under the laws of Japan made application, in its own name, for Letters Patent in Japan in respect of an invention as set forth below;

WHEREAS, the or each below named inventor (hereinafter **INVENTOR**) is the or an inventor of the said invention;

WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, having a place of business at 7839 Churchill Way, Mail Station 3999, Dallas, Texas 75251, USA, is desirous of acquiring the entire right, title and interest in and to the said invention outside of Japan, and in and to the U.S. patent application as identified hereinafter and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, by this Assignment, **TIJ** and **INVENTOR** sell and assign to the said **TEXAS INSTRUMENTS INCORPORATED**, its successors and assigns the entire right, title and interest in and to the said invention in the U.S.A. and all other countries outside Japan; in and to the U.S. patent application as identified below and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and the right to file applications and obtain patents in its own name in any said other country or group of countries, and to claim priority under the terms of the International Convention for the Protection of Industrial Property or any other relevant convention;

TIJ and **INVENTOR** hereby authorize and request the Commissioner of Patents to issue U.S. patents for said invention, or U.S. patents resulting therefrom, insofar as the interest of **TIJ** and **INVENTOR** is concerned to the said **TEXAS INSTRUMENTS INCORPORATED**, as assignee of the entire right, title and interest.

TIJ and **INVENTOR** further agree to communicate to **TEXAS INSTRUMENTS INCORPORATED** or to its successors, assigns and legal representatives, any facts known to **TIJ** and **INVENTOR** respecting the said invention, and at the expense of **TEXAS INSTRUMENTS INCORPORATED**, sign any and all patent applications, assignments, affidavits and other lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, testify in any legal or quasi-legal proceedings and generally do everything possible to aid said **TEXAS INSTRUMENTS INCORPORATED**, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries outside of Japan.

Filed: 07/22/03

ASSIGNMENT

WHEREAS, TEXAS INSTRUMENTS JAPAN, LTD. (hereinafter **TIJ**), a Japanese company having its headquarters at 24-1 Nishi-Shinjuku 6-chome, Shinjuku-ku, Tokyo, Japan, under the laws of Japan made application, in its own name, for Letters Patent in Japan in respect of an invention as set forth below;

WHEREAS, the or each below named inventor (hereinafter **INVENTOR**) is the or an inventor of the said invention;

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NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, by this Assignment, **TIJ** and **INVENTOR** sell and assign to the said **TEXAS INSTRUMENTS INCORPORATED**, its successors and assigns the entire right, title and interest in and to the said invention in the U.S.A. and all other countries outside Japan; in and to the U.S. patent application as identified below and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and the right to file applications and obtain patents in its own name in any said other country or group of countries, and to claim priority under the terms of the International Convention for the Protection of Industrial Property or any other relevant convention;

TIJ and **INVENTOR** hereby authorize and request the Commissioner of Patents to issue U.S. patents for said invention, or U.S. patents resulting therefrom, insofar as the interest of **TIJ** and **INVENTOR** is concerned to the said **TEXAS INSTRUMENTS INCORPORATED**, as assignee of the entire right, title and interest.

TIJ and **INVENTOR** further agree to communicate to **TEXAS INSTRUMENTS INCORPORATED** or to its successors, assigns and legal representatives, any facts known to **TIJ** and **INVENTOR** respecting the said invention, and at the expense of **TEXAS INSTRUMENTS INCORPORATED**, sign any and all patent applications, assignments, affidavits and other lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, testify in any legal or quasi-legal proceedings and generally do everything possible to aid said **TEXAS INSTRUMENTS INCORPORATED**, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries outside of Japan.

TITLE: Semiconductor Storage Device

Japanese Serial No.: 2002-216855

Filed: 07/25/02

U.S. Application Serial No.: 10/624,814

Filed: 07/22/03

IN WITNESS WHEREOF, this Agreement has been executed as set forth below;

Signed at _____ on _____.

by **Texas Instruments Japan, Ltd.**

Name _____

Title _____

Date _____

and by the **INVENTORS:**

Masayuki Hira Date

Takahiro Matsuzawa Date

Yoritaka Saitoh Date

Keisuke Takeo

Keisuke Takeo *8/17/03*
Date