

12-03-1998



FORM PTO-1595

TI-20601

11-24-98

100911231

U.S. Department of Commerce
Patent and Trademark Office

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

1. Name of conveying party(ies):

- 1) Shunichi Sukegawa
- 2) Shinji Bessho
- 3) tadashi Tachibana
- 4) Hiroyuki Yoshida

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: Oct. 30, 1997, Oct. 31, 1997, Nov. 13, 1997, Oct. 31, 1997

4. Application number(s) or patent number(s).

☒ X This document is being filed together with a new application.

Execution date of the application: November 24, 1998

Title: **SEMICONDUCTOR MEMORY DEVICE HAVING A BACK GATE VOLTAGE CONTROLLED DELAY CIRCUIT**

Docket No: TI-20601

A. Patent Application No.(s)

S.N.

Additional numbers attached? ___ Yes ___X___ No

B. Patent No.(s)

Additional numbers attached? ___ Yes ___X___ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Robby T. Holland
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 (Duplicate copies not required).

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.

Date

11-24-98

Robby T. Holland Reg. No. 33,304

JC540 U.S. PTO
09/198816

11/24/98

12/03/1998 SBURNS 00000036 200668 09198816
01 FC:581 40.00 CH

PATENT
REEL: 9609 FRAME: 0765

ASSIGNMENT

WHEREAS, TEXAS INSTRUMENTS JAPAN, LTD. (hereinafter **TIJ**), a Japanese company having its headquarters at Aoyama Fuji Bldg., 6-12 Kiota-Aoyama 3-Chome, Minato-ku, Tokyo, Japan, under the laws of Japan made application, in its own name, for Letters Patent in Japan with 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, with its principal office at 13510 North Central Expressway, Dallas, Texas 75243, is desirous of acquiring our 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 executed 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 know 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 to 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 of Invention: **SEMICONDUCTOR MEMORY DEVICE HAVING A BACK GATE VOLTAGE CONTROLLED DELAY CIRCUIT**

Inventors: Shunichi Sukegawa
Shinji Bessho
Tadashi Tachibana
Hiroyuki Yoshida

U.S. Application executed on: _____

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 INVENTOR(S):

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11/13/97

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