

FORM PTO-1595

RECORDATION FORM COVER SHEET
PATENTS ONLY

U.S. Department of Commerce
Patent and Trademark Office

TI-39327

To the Commissioner for Patents. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- 1) Steven R. Jahnke (9/22/05)
- 2) Mikio Takano (9/26/05)

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 No

3. Nature of Conveyance:

- Assignment ___ Merger
 ___ Security Agreement ___ Change of Name
 ___ Other _____

Execution Date: September 22 and 26, 2005

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

___ This document is being filed together with a new application.

Execution date of the application: September 22 and 26, 2005

Title: Feed Forward Method for NICAM Decode

Docket No: TI-39327

A. Patent Application No.(s)
S.N. 11/206,408

B. Patent No.(s)
X,XXX,XXX

Additional numbers attached? ___ Yes No

Additional numbers attached? ___ Yes No

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

Name: Robert D. Marshall, Jr.
 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 (No duplicate copy is needed).

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.

October 12, 2005
Date


 Robert D. Marshall, Jr., #28,527

Total Number of Pages Including Cover Sheet, Attachments and Document: ___ 4

CH \$40.00 200668 11206408

ATTORNEY DOCKET NO.

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ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, the said application having been executed on the date set forth below; and


WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with a principal office at P.O. Box 655474, MS 3999, Dallas, Texas 75265, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my entire right, title and interest in and to the said invention and in to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner for Patents to issue all patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to the said TEXAS INSTRUMENTS INCORPORATED, as assignee of my entire right, title and interest.

I also hereby sell and assign to TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I hereby further agree that I will communicate to said TEXAS INSTRUMENTS INCORPORATED, or to its successors, assigns, and legal representatives, any facts known to me respecting said invention, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, 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.

IN WITNESS WHEREOF, I hereunto set my hand and seal this day and year;

| TITLE OF INVENTION | Feed Forward Method for NICAM Decode | | |
|--------------------------------|---|--|-----|
| SIGNATURE OF INVENTOR AND NAME |  (1) | | (3) |
| DATE | 9/21/05 | | n/a |
| RESIDENCE (City, State) | 6-16-6-601 Roppongi Minato-ku, Tokyo 1060032 Japan | | |
| DATE APPLICATION EXECUTED | 9/21/05 | | |

After recordation, please return Assignment to:

Robert D. Marshall, Jr.
Texas Instruments Incorporated
P.O. Box 655474, MS 3999
Dallas, TX 75265

PATENT
REEL: 016876 FRAME: 0453

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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.

Assignment

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TITLE: Feed Forward Method for NICAM Decode

Japanese Serial No.:

Filed:

U.S. Application Serial No.: n/a

Filed: n/a

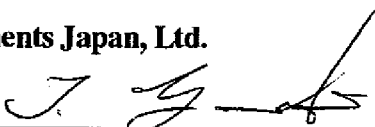
U.S. Application Serial No.: 11/206,408

Filed: August 17, 2005

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

Signed at Tokyo, Japan on September 30, 2005

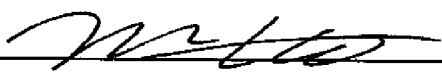
by **Texas Instruments Japan, Ltd.**

Name 
Toshiyuki Yamasaki

Title Representative Director and President

Date 9/30/2005

and by the **INVENTORS:**


Mikio Takano

09/26/2005
Date