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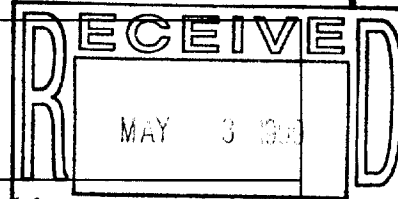
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Attorney Docket No.: TIJ-26680RECORDATION FORM COVER SHEET
Patent and Trademark Office

PATENTS ONLY



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

1. Name of conveying party(ies):

- 1) Kouzou Ichimaru
- 2) Yohichi Kawahara
- 3) Texas Instruments Japan, Ltd.

2. Name and Address of receiving party(ies):

Name: Texas Instruments Incorporated
Address: P.O. Box 655474, MS 3999
City: Dallas, Texas
State: TX Zip: 75265

Additional name(s) & address(es) attached?

☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Change of Address

Execution Date: **April 8, and April 19, 1999**

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

☐ This document is being filed together with a new application.Execution date of the application: **April 8, 1999**

Title: FREQUENCY SYNTHESIZER

Docket No: **TIJ-26680**A. Patent Application No.(s): **S.N. 09/212,959**

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ NoAdditional numbers attached? ☐ Yes ☒ No

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

Name: William B. Kempler, Reg. No. 28,228
Senior Corporate Patent Counsel
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).

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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.

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William B. Kempler, Reg. No. 28,228

April 28, 1999
Date

ASSIGNMENT

WHEREAS, TEXAS INSTRUMENTS JAPAN, LTD. (hereinafter **TIJ**), a Japanese company having its headquarters at Aoyama Fuji Bldg., 6-12 Kita-Aoyama 3-Chome, Minato-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, Kouzou Ichimaru and Yohichi Kawahara (hereinafter **INVENTOR**) is the 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 7839 Churchill Way, Dallas, Texas 75251, is desirous of acquiring our entire undivided 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** sells and assigns to the said **TEXAS INSTRUMENTS INCORPORATED**, its successors and assigns, their entire undivided 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 or its successors or assigns 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 their entire undivided 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 or its successors or assigns, to obtain and enforce proper patent protection for said invention in all countries outside of Japan.

FREQUENCY SYNTHESIZER

Title of Invention

Kouzou Ichimaru and Yohichi Kawahara

Inventor(s)

Japanese Application No.: 9(1997) - 367937 Filed: December 26, 1997

U.S. Application Serial No.: 09/212,959 Filed: December 16, 1998

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

Signed at Japan on April 19, 1999

by Texas Instruments Japan, Ltd.

Name Toshiaki Ikoma

Toshiaki Ikoma

Title Representative Director, President

Date 4/19/99

and by the INVENTOR(S):

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Date

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