

REC



16424 U.S. PTO  
10/456897  
06/06/03

TO THE ASSISTANT COMMISSIONER FOR P/

102474359

ments or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

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

- 1. Akihiro Nakamura
- 2. Kazuo Akaike
- 3. Kozo Ono
- 4. Takaaki Ishii

**Name:** NIHON DEMPA KOGYO CO., LTD.  
**Address:** 21-2, Nishihara 1-chome, Shibuya-ku, Tokyo, Japan

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Additional name(s) of conveying party(ies) attached?  
( ) Yes (X) No

Additional name(s) of receiving party(ies) attached?  
( ) Yes (X) No

3. Nature of conveyance:

4. Application number(s) or Patent number(s):

- Assignment
- Merger
- Security Agreement
- Change of Name
- Other:

Application(s) filed herewith  
Execution Date(s): All executed on 06/02/03

Patent Application No.:  
Filing Date:

Patent No.:  
Issue Date:

10456897

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above) All executed on 06/02/03

Additional numbers attached? ( ) Yes (X) No

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

7. Total fee (37 CFR 1.21(h)): \$40.00

**Name:** Daniel E. Altman  
 KNOBBE, MARTENS, OLSON & BEAR, LLP  
**Customer No.** 20,995  
**Internal Address:** Fourteenth Floor  
**Street Address:** 2040 Main Street  
**City:** Irvine **State:** CA **ZIP:** 92614  
**Attorney's Docket No.:** WAKAB79.009AUS

Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

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.

Katsuhiro Arai  
Name of Person Signing

*Katsuhiro Arai*  
Signature

June 6, 2003  
Date

43,315  
Registration No.

Total number of pages including cover sheet, attachments and document: 4

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

Mail Stop Assignment Recordation Services  
 Director, U.S. Patent and Trademark Office  
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 Alexandria, VA 22313-1450

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ASSIGNMENT

WHEREAS, #WE (1) Akihiro NAKAMURA  
a Japanese citizen, residing at c/o Nihon Dempa Kogyo Co., Ltd.,  
1275-2, Oaza Kamihirose, Sayama-shi, Saitama, Japan

(2) Kazuo AKAIKE  
a Japanese citizen, residing at c/o Nihon Dempa Kogyo Co., Ltd.,  
1275-2, Oaza Kamihirose, Sayama-shi, Saitama, Japan

(3) Kozo ONO  
a Japanese citizen, residing at c/o Nihon Dempa Kogyo Co., Ltd.,  
1275-2, Oaza Kamihirose, Sayama-shi, Saitama, Japan

(4) Takaaki ISHII  
a Japanese citizen, residing at c/o Nihon Dempa Kogyo Co., Ltd.,  
1275-2, Oaza Kamihirose, Sayama-shi, Saitama, Japan

(5) \_\_\_\_\_  
a \_\_\_\_\_ citizen, residing at \_\_\_\_\_

(6) \_\_\_\_\_  
a \_\_\_\_\_ citizen, residing at \_\_\_\_\_

(7) \_\_\_\_\_  
a \_\_\_\_\_ citizen, residing at \_\_\_\_\_

(8) \_\_\_\_\_  
a \_\_\_\_\_ citizen, residing at \_\_\_\_\_

hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new  
and useful improvements in PLL-CONTROLLED OSCILLATOR  
the specification of which:

- (a)  is attached hereto; or
- (b)  was filed on \_\_\_\_\_ as Application No. \_\_\_\_\_ or Express Mail No., as Application No. not yet known \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable); or
- (c)  was described and claimed in PCT International Application No. \_\_\_\_\_ filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_ (if any) and/or under PCT Article 34 on \_\_\_\_\_ (if any).

AND WHEREAS, NIHON DEMPA KOGYO CO., LTD.,

with its principal place of business at 21-2, Nishihara 1-chome, Shibuya-ku, Tokyo, Japan (hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 2nd day of June, 2003 Akihiro Nakamura  
Signature of Akihiro NAKAMURA

This 2nd day of June, 2003 Kazuo Akaike  
Signature of Kazuo AKAIKE

This 2nd day of June, 2003 Kozo Ono  
Signature of KOZO ONO

This 2nd day of June, 2003

Takaaki Ishii  
Signature of Takaaki ISHII

This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_  
Signature of

This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_  
Signature of

This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_  
Signature of

This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_  
Signature of