

06-18-2003

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17648 U.S. PTO
10/459045
06/11/03

TO THE ASSISTANT COMMISSIONER FC

102475873

1 documents or copy thereof.

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

1. Yoshikatsu Tanaka 2. Masaaki Arai

Additional name(s) of conveying party(ies) attached?

() Yes (X) No

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

Name: NIHON DEMPA KOGYO CO., LTD.

Address: 21-2, Nishihara 1-chome, Shibuya-ku, Tokyo, Japan

Additional name(s) of receiving party(ies) attached?

() Yes (X) No

3. Nature of conveyance:

- (X) Assignment
() Merger
() Security Agreement
() Change of Name
() Other:

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above) Both executed on 05/27/03

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

- (X) Application(s) filed herewith
Execution Date(s): Both executed on 05/27/03
() Patent Application No.:
Filing Date:
() Patent No.:
Issue Date:

10459045

Additional numbers attached? () Yes (X) No

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

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.: WAKAB79.010AUS

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

- (X) 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

Signature

June 11, 2003
Date

43,315
Registration No.

Total number of pages including cover sheet, attachments and document: 3

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

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

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060903

PATENT
REEL: 014169 FRAME: 0717

ASSIGNMENTWHEREAS, I/WE (1) Yoshikatsu TANAKAa Japanese citizen, residing at c/o Nihon Dempa Kogyo Co., Ltd.,
1275-2, Oaza Kamihirose, Sayama-shi, Saitama, Japan(2) Masaaki ARAIa Japanese citizen, residing at c/o Nihon Dempa Kogyo Co., Ltd.,
1275-2, Oaza Kamihirose, Sayama-shi, Saitama, Japan

(3) _____

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 TEMPERATURE-COMPENSATED CRYSTAL 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 _____

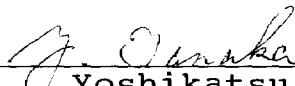
(if any) and/or under PCT Article 34 on _____ (if any).

AND WHEREAS, NIHON DEMPA KOGYO CO., LTD.with its principal place of business at 21-2, Nishihara 1-chome, Shibuya-ku, Tokyo,
(hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said Japa
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 27th day of May, 20 03 
Signature of Yoshikatsu TANAKA

This 27th day of May, 20 03 
Signature of Masaaki ARAI

This _____ day of _____, 20 _____
Signature of _____