

06-22-2001



To the Honorable Commissioner of Patent

101757788

ed original document or copy thereof.

1. Name(s) of conveying party(ies):

- 1) TAKAYASU MURAI
- 2) NOBORU KOKONOBIRA
- 3) HIROYUKI KAMIYA
- 4)
- 5)
- 6)

61707

Additional names of conveying parties attached? ☐ Yes ☒ No

2. Name and address of receiving party:

Name: NISSHINBO INDUSTRIES INC.

Internal Address: \_\_\_\_\_

Street Address: 31-11 NINGYOCHO 2-CHOME

NIHONBASHI, CHUO-KU

Postal Code & City: TOKYO

Country JAPAN

Additional names & addresses attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ Other \_\_\_\_\_

Execution Dates:

- 1) MAY 29, 2001 4) \_\_\_\_\_
- 2) MAY 29, 2001 5) \_\_\_\_\_
- 3) MAY 29, 2001 6) \_\_\_\_\_

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

If this document is being filed together with a new application,  
the filing date of the application is \_\_\_\_\_.

A. Patent Application No(s).  
98/800,771

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

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

Name: Seed Intellectual Property Law Group PLLC

Internal Address: FRANK ABRAMONTE

Street Address: 701 Fifth Avenue, Suite 6300

City: Seattle State: WA ZIP: 98104-7092

6. Total number of applications and patents involved..... 1

7. Total Fee (37 CFR 3.41): ..... \$40

☒ Enclosed

☐ Authorized to be charged to deposit account

(Attach duplicate copy of this page if paying by deposit account)

8. Deposit account number:

19-1090

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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.

FRANK ABRAMONTE

Name of Person Signing

Signature

June 13, 2001  
Date

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

186358

## ASSIGNMENT

WHEREAS, we, Takayasu Murai, Noboru Kokonobira and Hiroyuki Kamiya (hereinafter referred to as ASSIGNORS), all having post office addresses of c/o Nisshinbo Industries Inc. Hamakita, 8000 Nakaze, Hamakita-shi, Shizuoka-ken, Japan, are the joint inventors of an invention entitled "METHOD AND APPARATUS FOR DETECTING BROKEN TEETH IN A PULSE SIGNAL," as described and claimed in the specification for which an application for United States letters patent was filed on March 6, 2001, and assigned Application No. 09/800,771.

WHEREAS, Nisshinbo Industries Inc. (hereinafter referred to as ASSIGNEE), a corporation of the Country of Japan having a place of business at 31-11 Ningyocho 2-chome, Nihonbashi, Chuo-ku, Tokyo, Japan, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

29, May, '01  
Date

Takayasu Murai  
Takayasu Murai

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

ss.

I certify that I know or have satisfactory evidence that Takayasu Murai is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated \_\_\_\_\_

Signature of  
Notary Public \_\_\_\_\_

Printed Name \_\_\_\_\_

My appointment expires \_\_\_\_\_

29, May, '01  
Date

Noboru Kokonobira  
Noboru Kokonobira

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

ss.

I certify that I know or have satisfactory evidence that Noboru Kokonobira is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated \_\_\_\_\_

Signature of  
Notary Public \_\_\_\_\_

Printed Name \_\_\_\_\_

My appointment expires \_\_\_\_\_

29, May, '01  
Date

Hiroyuki Kamiya  
Hiroyuki Kamiya

State of \_\_\_\_\_)

County of \_\_\_\_\_)

ss.

I certify that I know or have satisfactory evidence that Hiroyuki Kamiya is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated \_\_\_\_\_

Signature of  
Notary Public \_\_\_\_\_

Printed Name \_\_\_\_\_

My appointment expires \_\_\_\_\_

L:\980039 - Nisshinbo Industries, Inc\405\Assignment.doc