

08-09-2005

FORM PTO-1595 (Rev. 03/05)
(exp. 6/30/05)

SHEET

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

103058142

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Names of conveying party(ies)/Execution Date(s):

- 1) AKIHIKO TANIOKA
- 2) MIE MINAGAWA
- 3) KIYOSHI KANAMURA
- 4) AKIHIKO MATSUMURA
- 5) MIZUO NAKAYAMA
- 6) TAKEHIKO MATSUMURA

Execution Dates:

- | | |
|-----------------|------------------|
| 1) JULY 4, 2005 | 4) JUNE 30, 2005 |
| 2) JULY 4, 2005 | 5) JUNE 30, 2005 |
| 3) JULY 4, 2005 | 6) JUNE 30, 2005 |

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

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

Name: TRANSCUTANEOUS TECHNOLOGIES INC.

Internal Address: _____

Street Address: 8F, 1-6-10, EBISU-MINAMICity: SHIBUYA-KU, TOKYO

State: _____

Country: JAPAN Zip 150-0022Additional names & addresses attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ Joint Research Agreement
- ☐ Government Interest Assignment
- ☐ Executive Order 9424, Confirmatory License
- ☐ Other _____

4. Application or patent number(s):

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

A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

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

Name: Seed Intellectual Property Law Group PLLCInternal Address: FRANK ABRAMONTEStreet Address: 701 Fifth Avenue, Suite 6300City: SeattleState: WA ZIP: 98104-7092Phone Number: 206-622-4900Fax Number: 206-682-6031Email Address: FrankA@SeedIP.com

6. Total number of applications and patents involved

1

7. Total Fee (37 CFR 1.21(h) & 3.41):

\$40

- ☐ Authorized to be charged by credit card.
- ☒ Authorized to be charged to deposit account.
- ☐ Enclosed
- ☐ None required (government interest not affecting title)

8. Payment Information

- a. Credit Card Last 4 Numbers _____
Expiration Date _____
- b. Deposit Account Number 19-1090
Authorized User Name Frank Abramonte

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

2 AUG 2005

Date

Total number of pages including cover sheet, attachments, and document: 4Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

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08-09-05

FORM PTO-1595
(Rev. 06/04)

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office**PATENTS ONLY**
Continuation

1. Additional name(s) of conveying party(ies)/Execution Date(s):

Hidero Akiyama, executed June 30, 2005



2. Additional name(s) and addresses of receiving party(ies):

4. A. Additional Patent Application No.(s):

B. Additional Patent No.(s):

ASSIGNMENT

WHEREAS, we, Akihiko Tanioka, Mie Minagawa, Kiyoshi Kanamura, Akihiko Matsumura, Mizuo Nakayama, Takehiko Matsumura and Hidero Akiyama (hereinafter referred to as ASSIGNORS), having mailing addresses of 2-3-16-417, Ishikawa-cho, Ohota-ku, Tokyo, Japan 145-0061; 2-10-20, Takanawa, Minato-ku, Tokyo, Japan 108-0074; 3-10-3-506, Kamiyugi, Hachioji-shi, Tokyo, Japan 192-0373; 8F, 1-6-10, Ebisu-Minami, Shibuya-ku, Tokyo, Japan 150-0022; 8F, 1-6-10, Ebisu-Minami, Shibuya-ku, Tokyo, Japan 150-0022; 8F, 1-6-10, Ebisu-Minami, Shibuya-ku, Tokyo, Japan 150-0022; and 8F, 1-6-10, Ebisu-Minami, Shibuya-ku, Tokyo, Japan 150-0022, respectively, are the joint inventors of an invention entitled "IONTOPHORESIS DEVICE," as described and claimed in the specification forming part of an application for United States letters patent executed herewith;

WHEREAS, Transcutaneous Technologies Inc. (hereinafter referred to as ASSIGNEE), a Japanese corporation having a place of business at 8F, 1-6-10, Ebisu-Minami, Shibuya-ku, Tokyo, Japan 150-0022, 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 for their use and benefit and of their 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 said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

July 4, 2005
Date

Akihiko Tanioka
Akihiko Tanioka

July 4, 2005
Date

Mie Minagawa
Mie Minagawa

July 4, 2005
Date

Kiyoshi Kanamura
Kiyoshi Kanamura

Jun. 30, 2005
Date

Akihiko Matsumura
Akihiko Matsumura

Jun. 30, 2005
Date

Mizuo Nakayama
Mizuo Nakayama

Jun. 30, 2005
Date

Takehiko Matsumura
Takehiko Matsumura

30 Jun, 2005
Date

Hidero Akiyama
Hidero Akiyama

602100
(910162.405)

ASSIGNMENT

WHEREAS, we, Akihiko Tanioka, Mie Minagawa, Kiyoshi Kanamura, Akihiko Matsumura, Mizuo Nakayama, Takehiko Matsumura and Hidero Akiyama (hereinafter referred to as ASSIGNORS), having mailing addresses of 2-3-16-417, Ishikawa-cho, Ohota-ku, Tokyo, Japan 145-0061; 2-10-20, Takanawa, Minato-ku, Tokyo, Japan 108-0074; 3-10-3-506, Kamiyugi, Hachiouji-shi, Tokyo, Japan 192-0373; 8F, 1-6-10, Ebisu-Minami, Shibuya-ku, Tokyo, Japan 150-0022; 8F, 1-6-10, Ebisu-Minami, Shibuya-ku, Tokyo, Japan 150-0022; 8F, 1-6-10, Ebisu-Minami, Shibuya-ku, Tokyo, Japan 150-0022; and 8F, 1-6-10, Ebisu-Minami, Shibuya-ku, Tokyo, Japan 150-0022, respectively, are the joint inventors of an invention entitled "IONTOPHORESIS DEVICE," as described and claimed in the specification forming part of an application for United States letters patent executed herewith;

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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 for their use and benefit and of their 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 said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

July 4, 2005
Date

Akihiko Tanioka
Akihiko Tanioka

July 4, 2005
Date

Mie Minagawa
Mie Minagawa

July 4, 2005
Date

Kiyoshi Kanamura
Kiyoshi Kanamura

Jun. 30, 2005
Date

Akihiko Matsumura
Akihiko Matsumura

Jun. 30, 2005
Date

Mizuo Nakayama
Mizuo Nakayama

Jun. 30, 2005
Date

Takehiko Matsumura
Takehiko Matsumura

30 Jun, 2005
Date

Hidero Akiyama
Hidero Akiyama

602100
(910162.405)