

04-28-1999

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405 Rec'd PCT/PTO 16 DEC 1998



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U.S DEPARTMENT OF COMMERCE
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PATENTS ONLY

To the Honorable Assistant Commissioner for Patents. Please record the attached original documents or copy thereof.

12/16/98 09/202497

1. Name of conveying party(ies):
Seiichiro IGUCHI, Shino SHINOMIYA, Rika HAMAMOTO,
Akiyo ABE, Masatoshi INAI and Keiichi KAWAKAMI

Additional name(s) of conveying party(ies) attached?
 yes no

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

Name:
OTSUKA PHARMACEUTICAL FACTORY, INC.
Internal Address:
115, Aza Kuguhara, Tateiwa, Muya-cho, Naruto-shi, Tokushima
772, Japan
Street Address:
Same as above

City State Zip

Additional name(s) & address(es) attached?
 yes no

3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: November 20, 1998

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

If this document is being filed together with a new application, the execution date of the application is:
November 20, 1998

A. Patent Application No.(s)

B. Patent No(s).

Additional numbers attached? Yes No

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

SUGHRUE, MION, ZINN, MACPEAK & SEAS
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3202

6. Total number of applications and patents involved:
One (1)

7. Total Fee (37 CFR 3.41): \$ 40.00
 Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.

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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.

Waddell A. Biggart
Name Waddell A. Biggart Reg. No. 24,851

December 16, 1998
Date

TOTAL NUMBER OF PAGES INCLUDING COVER SHEET, ATTACHMENTS AND DOCUMENT: 4

OMB No. 0651-0011 (exp. 4/94)

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Mail documents to be recorded with required cover sheet information to:
Assistant Commissioner for Patents
Box Assignments
Washington, D.C. 20231

Assignment

Whereas, I/We, 1) IGUCHI Seiichiro, 2) SHINOMIYA Shino, 3) HAMAMOTO Rika, of
4) ABE Akiyo, 5) INAI Masatoshi and 6) KAWAKAMI Keiichi

See the attached Sheet

hereinafter called assignor(s), have invented certain improvements in
BICARBONATE-CONTAINING MEDICAL SOLUTION PACKAGING
AND pH INDICATING DEVICE

and executed an application for Letters Patent of the United States of America therefor on
November 20, 1998 ; and

Whereas, OTSUKA PHARMACEUTICAL FACTORY, INC., of
115, Aza Kuguhara, Tateiwa, Muya-cho, Naruto-shi,
Tokushima 772, Japan
(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to
any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its
successors and assigns, the entire right, title and interest in the application and the invention disclosed
therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and
I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth
in the application to the assignee, its successors and assigns; and I/we will execute without further
consideration all papers deemed necessary by the assignee in connection with the United States application
when called upon to do so by the assignee.

I/We hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of
2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application
number _____, filed _____) the filing date and application
number of said application when known.

Date: Nov. 20, 1998 s/ Seiichiro Iguchi
IGUCHI Seiichiro

Date: Nov. 20, 1998 s/ Shino Shinomiya
SHINOMIYA Shino

Date: Nov. 20, 1998 s/ Rika Hamamoto
HAMAMOTO Rika

Date: Nov. 20, 1998 s/ Akiyo Abe
ABE Akiyo

Date: Nov. 20, 1998 s/ Masatoshi Inai
INAI Masatoshi

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

For Non-U.S. Clients

Assignment

Whereas, I/We, 1) IGUCHI Seiichiro, 2) SHINOMIYA Shino, 3) HAMAMOTO Rika, of
4) ABE Akiyo, 5) INAI Masatoshi and 6) KAWAKAMI Keiichi

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I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth
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2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application
number _____, filed _____) the filing date and application
number of said application when known.

Date: Nov. 20, 1998 s/ Keiichi Kawakami
KAWAKAMI Keiichi

Date: s/ _____

Date: s/ _____

Date: s/ _____

Date: s/ _____

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

- Attached Sheet -

Address of Inventors

- 1) IGUCHI Seiichiro
87-5, Aza Hamabatanishi, Saita, Muya-cho,
Naruto-shi, Tokushima 772, Japan
- 2) SHINOMIYA Shino
Pakuhaitsu 205, 63, Aza Shimai, Tateiwa, Muya-cho,
Naruto-shi, Tokushima 772, Japan
- 3) HAMAMOTO Rika
Yamaichikan 101, 27-2, Aza Shinbori, Tarohachizu,
Kitajima-cho, Itano-gun, Tokushima 771-02, Japan
- 4) ABE Akiyo
Taisei Manshon III 204, 199-1, Aza Ebisuyama,
Okuwajima, Muya-cho, Naruto-shi, Tokushima 772,
Japan
- 5) INAI Masatoshi
554-1, Oaza Kori, Donari-cho, Itano-gun,
Tokushima 771-15, Japan
- 6) KAWAKAMI Keiichi
15-21, Aza Nishinosu, Tainohama, Kitajima-cho,
Itano-gun, Tokushima 771-02, Japan