

05-27-1998



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BOX ASSIGNMENTS
PATENT
2355-116P

IN THE U.S. PATENT AND TRADEMARK OFFICE

APPLICANT: Masakatsu SHIBASAKI et al.
INTERNATIONAL APPL. NO.: PCT/JP96/02794
SERIAL NO.: 5.20.98 09/043,678
FILED: March 25, 1998
FOR: PROCESS FOR THE PREPARATION OF AN
OPTICALLY ACTIVE 1-AMINOPHOSPHONIC
ACID DERIVATIVE AND NOVEL
PHOSPHONATE COMPOUNDS

Date: May 20, 1998

Docket No.: 2355-116P

RECORDING OF ASSIGNMENT

BOX ASSIGNMENTS

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

Please record the attached original documents or copy thereof.

1. Name of Conveying party(ies) (e.g. inventor(s)):

Masakatsu SHIBASAKI
Hiroaki SASAI
Yoshihiro TAHARA

2. Name and address of receiving party(ies) (e.g. assignee)

HOKKO CHEMICAL INDUSTRY CO., LTD.
4-20 Nihonbashi-Hongoku-cho
4-chome, Chuo-ku, Tokyo
JAPAN

PATENT
REEL: 9182 FRAME: 0939

05/26/1998 TT0111 00000077 09043678 40.00 (P)
01 FC:561

3. Nature of Conveyance:

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

Execution Date (e.g., Assignment): March 23, 1998, March 12, 1998 and March 24, 1998, respectively

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

If this document is being filed together with a new patent application, the execution date(s) of the application (Declaration) is (are) March 23, 1998, March 12, 1998 and March 24, 1998, respectively.

A. Patent Application Number(s):

09/043,678

B. Patent Number(s):

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

Birch, Stewart, Kolasch & Birch, LLP
P.O. Box 747
Falls Church, VA 22040-0747
(703) 205-8000

6. Total number of applications and patents involved: 1

7. The recording fee in the amount of \$40.00 is enclosed.

Serial No.: 09/043,678

8. ___ Please charge Deposit Account No. 02-2448 in the amount of \$_____. A duplicate copy of this request is enclosed.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16-1.21(h); particularly, extension of time fees.

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.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

Date: May 20, 1998

By 

Andrew D. Meikle
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TOTAL NUMBER OF PAGES INCLUDING COVER SHEET,
ATTACHMENTS, AND DOCUMENT: 5

Rev. 12/9/97
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ASSIGNMENT

Application No. 09/043,678

Filed 3-25-98

**Insert Name(s)
of Inventor(s)**

WHEREAS, SHIBASAKI, Masakatsu of 11-2 Shimorenjaku 2-chome,
Mitaka-shi, Tokyo, Japan; SASAI, Hiroaki of 5-17-803 Higashitada 3-
chome, Kawanishi-shi, Hyogo, Japan and TAHARA, Yoshihiro of Heights U
203, 25-14 Ohnodai 1-chome, Sagamihara-shi, Kanagawa, Japan

**Insert Title
of Invention**

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in _____
PROCESS FOR THE PREPARATION OF AN OPTICALLY ACTIVE 1-AMINOPHOSPHONIC
ACID DERIVATIVE AND NOVEL PHOSPHONATE COMPOUNDS

**Insert Date
of Signing of
Application**

for which an application for Letters Patent of the United States of America has been executed by the undersigned
on 23rd March 1998, 12th March 1998 and 24th March 1998; and

**Insert Name
of Assignee**

WHEREAS, HOKKO CHEMICAL INDUSTRY CO., LTD., a corporation of Japan

**Insert Address
of Assignee**

of 4-20 Nihonbashi-Hongoku-cho 4-chome, Chuo-ku, Tokyo, Japan

**CHECK
ONE BOX**

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the

- (1) United States of America only; or
(2) United States of America and any and all foreign countries

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in:

1. the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, if box (1) above is designated:

or

2. the United States of America, its territories, dependencies and possessions and in any and all foreign countries and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions and in any and all foreign countries, if box (2) above is designated:

and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

PATENT

REEL: 9182 FRAME: 0942

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and/or any and all foreign countries to issue any and all Letters Patents resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch and Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 3/23/98, Name of Inventor Masakatsu Shibasaki (SEAL)
SHIBASAKI, (signature) Masakatsu

Date 3/12/98, Name of Inventor Hiroaki Sasai (SEAL)
SASAI, (signature) Hiroaki

Date 3/24/98, Name of Inventor Yoshihiro Tahara (SEAL)
TAHARA, (signature) Yoshihiro

Date _____, Name of Inventor _____ (SEAL)
(signature)

Date _____, Name of Inventor _____ (SEAL)
(signature)

Date _____, Name of Inventor _____ (SEAL)
(signature)

The execution by the Inventor(s) of this assignment may be witnessed by at least two other persons who sign here.

Witness Takao Hamano
HAMANO, Takao

Witness Tetsuji Morita PATENT
MORITA, Tetsuji