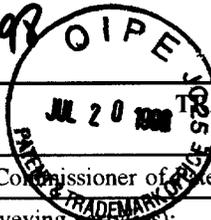


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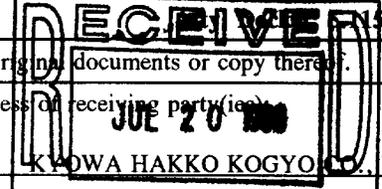
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To the Commissioner of Patents and Trademarks. Please return the attached original documents or copy thereof.

1. Name of conveying party(ies):
 1) Etsuo Ohshima, 2) Takashi Kawakita, 3) Koji Yanagawa,
 4) Kyoichiro Iida, 5) Rie Koike, 6) Yoshisuke Nakasato,
 7) Tohru Matsuzaki, 8) Kenji Ohmori, 9) Soichiro Sato,
 10) Hidee Ishii, 11) Haruhiko Manabe, 12) Michio Ichimura
 and 13) Fumio Suzuki.
 Additional name(s) of conveying party(ies) attached?
 Yes No

2. Name and address of receiving party(ies):
 Name: KYOWA HAKKO KOGYO CO., LTD.
 Foreign Address: 6-1 Ohtemachi, 1-chome, Chivoda-ku
Tokyo 100, Japan

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
 Execution Date: 1) Apr 30 1998; 9) Apr 21 1998;
 3), 4), 5) 7) May 6 1998; 6) May 29 1998;
 2) Jun 5 1998; 8), 10), 11) Jun 8 1998;
 12) Jun 9 1998; 13) Jun 12 1998

Domestic Address: _____
 City: _____ State _____ ZIP _____
 Additional name(s) & address(es) attached? Yes No

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: _____
 A. Patent Application Number: 08/974,739
 Filing Date: Nov. 19, 1997

B. Title of Invention:
OXYGEN-CONTAINING HETEROCYCLIC ATOMS
 Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: Fitzpatrick, Cella, Harper & Scinto
30 Rockefeller Plaza
New York, New York 10112-3801
 Telephone No.: (212) 218-2100
 Facsimile No.: (212) 218-2200

6. Number of applications and patents involved:
One
 7. Total fee (37 CFR 3.41): . . . \$ 40.00
 Enclosed
 Authorized to be charged to deposit account
 8. Deposit account number (for deficiency or excess)
06-1205
 (Attach duplicate copy of this page if paying by deposit account):

07/22/1998 NGUYEN 00000185 08974739

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To the best of my knowledge and belief, the foregoing information is true and the attached is the original document or is a true copy of the original document.

Lawrence S. Perry
Name of Person Signing

July 17, 1998
Date

Total number of pages including cover sheet, attachments, and documents: 6

A S S I G N M E N T

FOR VALUE RECEIVED, ETSUO OHSHIMA, TAKASHI KAWAKITA, KOJI YANAGAWA, KYOICHIRO IIDA, RIE KOIKE, YOSHISUKE NAKASATO, TOHRU MATSUZAKI, KENJI OHMORI, SOICHIRO SATO, HIDEE ISHII, HARUHIKO MANABE, MICHIO ICHIMURA and FUMIO SUZUKI, citizens of Japan, residing (respectively) at: 234-16-202, Honjuku, Nagaizumi-cho, Sunto-gun, Shizuoka 411, Japan; 1245-4, Shimotogari, Nagaizumi-cho, Sunto-gun, Shizuoka 411, Japan; 425-3, Nameri, Nagaizumi-cho, Sunto-gun, Shizuoka 411, Japan; 410-1, Nameri, Nagaizumi-cho, Sunto-gun, Shizuoka 411, Japan; 1064-11, Shimotogari, Nagaizumi-cho, Sunto-gun, Shizuoka 411, Japan; 33 Pond Avenue, #319, Brookline, MA 02146, U.S.A.; 1179, Shimotogari, Nagaizumi-cho, Sunto-gun, Shizuoka 411, Japan; 2-14-3, Fuyodai, Mishima-shi, Shizuoka 411, Japan; 10-2, Fujimidai, Mishima-shi, Shizuoka 411, Japan; 847-3, Nanjo, Nirayama-cho, ~~Sunto-gun~~^{Tagata-gun}, Shizuoka 410-21, Japan; 343-32, Shimotogari, Nagaizumi-cho, Sunto-gun, Shizuoka 411, Japan; 1-31-14, Sanomiharashidai, Misha-shi, Shizuoka 411, Japan; and 18-4, Fujimidai, Mishima-shi, Shizuoka 411, Japan; hereby sell, assign, transfer and convey unto KYOWA HAKKO KOGYO CO., LTD., a corporation of Japan, having a place of business at 6-1 Ohtemachi, 1-chome, Chiyoda-ku, Tokyo 100, Japan; its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title and interest, for the United States, in and to certain inventions relating to OXYGEN-CONTAINING HETEROCYCLIC ATOMS, and described in an application for Letters Patent of the United States filed on November 19, 1997 and accorded Application No. 08/974,739 and in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted, thereon, and all reissues and extensions thereof; and we hereby authorize and request the Commissioner of Patents

H. R. June 8, 1998

and Trademarks of the United States to issue all Letters Patent upon said inventions to the Assignee or to such nominees as it may designate.

AND we authorize and empower the said Assignee or nominees to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

AND we hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in the United States for any purpose and more particularly in proof of the right of said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted therefor.

AND we hereby covenant that we have the full right to convey the entire right, title and interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith.

AND we hereby covenant and agree that we will communicate to said Assignee or nominees all facts known to us pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining and enforcing all

lawful patent protection for said inventions in the United States.

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(Date)

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ETSUO OHSHIMA

Witness:

Hiroki Sone

Assignor:

Jan. 5, 1998
(Date)

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TAKASHI KAWAKITA

Witness:

Shizuo Otake

Assignor:

May 6, 1998
(Date)

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Hiroki Sone

Assignor:

May 6, 1998
(Date)

Kyoichiro Iida.
KYOICHIRO IIDA

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June 8, 1998
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