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Attorney Docket No. 020777U.S. DEPARTMENT OF COMMERCE
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6/18/02

Commissioner for Patents: Please record the attached original documents or copy thereof.

Submission type: X NewConveyance type: X Assignment

6-18-02

Conveying Party(ies): (Last, First, Middle Initial) Execution Date

First party Name: SUGIYA, Masashi June 6, 2002

Second party Name: NOHIRA, Hiroyuki June 6, 2002

Third party Name:

Fourth party Name:

Fifth party Name:

Additional name(s) of conveying party(ies) attached? Yes ___ No X

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Receiving Party (ies):

First party Name: NIPPON CHEMICAL INDUSTRIAL CO., LTD.
Address: 11-1, Kameido 9-chome, Koto-ku, Tokyo 136-8515, JapanAdditional name(s) & address(es) attached? Yes ___ No XX

Domestic Representative Name and Address (Enter for the first Receiving Party only)

ARMSTRONG, WESTERMAN & HATTORI, LLP
1725 K Street, N.W., Suite 1000
Washington, D.C. 20006

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Correspondent Name and Address

ARMSTRONG, WESTERMAN & HATTORI, LLP
1725 K Street, N.W., Suite 1000
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Pages Enter the total number of pages of the attached conveyance document: 1
(including any attachments, but not counting cover sheets)

Application Number(s) or Patent Number(s) Additional numbers attached? Yes No XX

A. Patent Application No.(s)

B. Patent No.(s)

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If this document is being filed together with a new application, enter the date the application was signed by the first named executing inventor: June 6, 2002
(Do not recite both application and patent numbers.)

Patent Cooperation Treaty (PCT)

Enter PCT application number only if

a U.S. Application Number has not been assigned

PCT PCT/JP99/07156

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Number of Properties Enter the total number of properties involved: 1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41). \$40.00

XX Enclosed

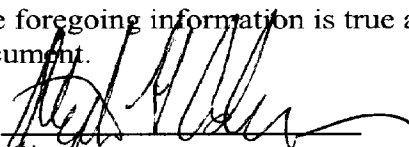
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Statement and signature

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.

Stephen G. Adrian

Name of Person Signing


Signature

June 18, 2002

Date

32,878

Registration No.

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, _____
 Masashi SUGIYA and Hiroyuki NOHIRA

hereby sells, assigns and transfers to

NIPPON CHEMICAL INDUSTRIAL CO., LTD.

of 11-1, Kameido 9-chome, Koto-ku, TOKYO 136-8515 JAPAN

(hereinafter called the Assignee), its successors and assigns, the entire right, title, and interest in and to:

- (i) the application for United States Letters Patent entitled 1,2-BIS(METHYL(1,1,3,3-TETRAMETHYLBUTYL)PHOSPHINO)-ETHANE AND PROCESS FOR PRODUCING THE SAME, AND TRANSITION METAL COMPLEX HAVING THE SAME AS A LIGAND AND ITS USE

which was executed by the undersigned on _____

or was filed on December 20, 1999

and accorded Serial No.

PCT/JP 99/07156

(hereinafter called the Application) ;

- (ii) any and all inventions and improvements which are described in the Application ;
- (iii) any and all United States Letters Patents which may be granted on the Application (hereinafter called Patent) ;
- (iv) any and all divisions, continuations, substitutes, reexaminations, reissues, or extensions of the Application or Patent; and
- (v) all benefits under the International Convention for the Protection of Industrial Property.

Said Assignee of said patent application and the attorneys appointed to prosecute said patent application are authorized to insert in this instrument the filing date and serial number of said application.

The Commissioner of Patents and Trademarks is authorized to issue any and all of said Letters Patent, when granted, to said Assignee.

Further, it is agreed that, when requested, without charge to but at the expense of said Assignee, the undersigned will execute all divisional, continuing, substitute, or reissue patent applications; execute all additional assignments and other writings, including reexamination papers; and provide all reasonable assistance requested by the Assignee to secure and maintain appropriate patent protection.

INVENTOR(S) :

(Masashi SUGIYA)

Masashi Sugiyu

(Hiroyuki NOHIRA)

Hiroyuki Nohira

DATE

June 6, 2002

June 6, 2002

PATENT

RECORDED: 06/18/2002

REEL: 013264 FRAME: 0395