

## U.S. PATENT AND TRADEMARK OFFICE

05-03-2000

Case Docket No. 000067

DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
LET

REC 101342815

4-11-00

PATENTS ONLY

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

## 1. Name of conveying parties:

Tsuneo IMAMOTO, Tomoya MIURA and Hironari YAMADA

Additional names of conveying parties attached? Yes \_\_\_ No XX

## 2. Name and address of receiving party:

Name: NIPPON CHEMICAL INDUSTRIAL CO., LTD.

Street Address:

11-1, Kameido 9-chome  
Koto-ku, Tokyo, JapanAdditional name(s) & address(es) attached? Yes \_\_\_ No XX

## 3. Nature of conveyance: Assignment

Execution Date: March 13, 2000

4. Title: 1,2-BIS(DIALKYLPHOSPHINO) BENZENE DERIVATIVES HAVING  
OPTICAL ACTIVITIES, PROCESS FOR PRODUCING SAME, AND  
RHODIUM METAL COMPLEXES CONTAINING SAME AS LIGANDS

## 5. Application number(s) or patent number(s):

A. Patent Application No.(s)

09/494,119

B. Patent No.(s)

If this document is being filed together with a new application, the execution date of the  
application is: \_\_\_\_\_Additional numbers attached? Yes \_\_\_ No XX

05/02/2000 JSHARAZZ 00000087 09494119

01 FC:581

40.00 (P)

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

Name: ARMSTRONG, WESTERMAN, HATTORI,  
MCLELAND & NAUGHTON  
1725 K Street, N.W., Suite 1000  
Washington, D.C. 20006

7. Total number of applications and patents involved: 1

8. Total fee (37 CFR 3.41). . . . . \$40.00

XX Enclosed

    Authorized to be charged to Deposit Account

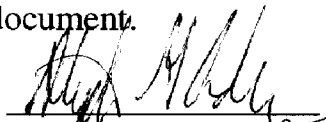
9. Deposit Account No.: 01-2340

10. 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

April 11, 2000

Date

32,878

Registration No.

Total number of pages including cover sheet, attachments and document:   3  

SGA/llf

Rev. 2/97

**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, \_\_\_\_\_  
Tsuneo IMAMOTO, Tomoya MIURA and Hironari YAMADA

hereby sells, assigns and transfers to

NIPPON CHEMICAL INDUSTRIAL CO., LTD.

of 11-1, Kameido 9-chome, Koto-ku, Tokyo, 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(DIALKYLPHOSPHINO) BENZENE DERIVATIVES HAVING OPTICAL ACTIVITIES, PROCESS FOR PRODUCING SAME, AND RHODIUM METAL COMPLEXES CONTAINING SAME AS LIGANDS  
 which was executed by the undersigned on the dates indicated below  
 or was filed on January 28, 2000 and accorded Serial No.  
09/494,119 (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) :**

(Tsuneo IMAMOTO)

Tsuneo Imamoto

(Tomoya MIURA)

Tomoya Miura

(Hironari YAMADA)

Hironari Yamada

**DATE**

March 13, 2000

March 13, 2000

March 13, 2000