

07-09-1999



APPLICATION FORM COVER SHEET
TENTS ONLY

101085370

Attorney Docket
No.: 06154-82
(US-501-KH)

To the Assistant Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Yoshiaki Okuhama
Takao Takeuchi
Keigo Obata
Yasuhito Kohashi
Hidemi Nawafune

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

Daiwa Fine Chemicals Co., Ltd.
21-8, Minami-Futami, Futami-cho
Akashi-shi, Hyogo-ken
JAPAN



3. Nature of conveyance:

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

Execution Date: June 1, 1999 & June 7, 1999

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: June 1, 1999 & June 7, 1999

A. Patent Application No.(s):

B. Patent No.(s):

Additional numbers attached? Yes No

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

WILLIAM W. SCHWARZE
PANITCH SCHWARZE JACOBS & NADEL, P.C.
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6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41) Cal. 1 x \$40.00 = \$ 40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number: 16-0235

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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.

07/08/1999 DMGUYEN 00000172 160235 09340892

FC:581 40.00 CH
WILLIAM W. SCHWARZE
Name of Person Signing

William W. Schwarze
Signature

June 28, 1999
Date

Total number of pages including cover sheet, attachments and document: [4]

A S S I G N M E N T

WHEREAS, we,

Yoshiaki Okuhama, a citizen of Japan, c/o Daiwa Fine Chemicals Co., Ltd.,
21-8, Minami-Futami, Futami-cho, Akashi-shi,
Hyogo-ken, Japan

Takao Takeuchi, a citizen of Japan, c/o Daiwa Fine Chemicals Co., Ltd.,
21-8, Minami-Futami, Futami-cho, Akashi-shi,
Hyogo-ken, Japan

Keigo Obata, a citizen of Japan, c/o Daiwa Fine Chemicals Co., Ltd.,
21-8, Minami-Futami, Futami-cho, Akashi-shi,
Hyogo-ken, Japan

Yasuhito Kohashi, a citizen of Japan, c/o Daiwa Fine Chemicals Co., Ltd.,
21-8, Minami-Futami, Futami-cho, Akashi-shi,
Hyogo-ken, Japan

Hidemi Nawafune, a citizen of Japan, 38-34, Magami-cho 5-chome,
Takatsuki-shi, Osaka, Japan

have invented certain new and useful improvements in

AQUEOUS SOLUTIONS FOR OBTAINING NOBLE METALS BY CHEMICAL
REDUCTIVE DEPOSITION

for which we have on June 1 and 7 executed an application for United States
Letters Patent; and

WHEREAS, Daiwa Fine Chemicals Co., Ltd., a Japanese Corporation
located at 21-8, Minami-Futami, Futami-cho, Akashi-shi, Hyogo-ken, Japan
(hereinafter called the "Assignee"), is desirous of acquiring the entire right,
title and interest in and to said application and the inventions and
improvements therein disclosed so far as the United States of America is
concerned.

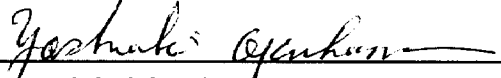
NOW, THEREFORE, in good and valuable consideration paid to us by said Assignee, receipt whereof is hereby acknowledged, we do hereby assign, sell, transfer and set over unto said Assignee the entire right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and any Letters Patent which may issue therefor in the United States and all divisions, re-issues, continuations, renewals and/or extensions thereof, said Assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, re-issues, continuations, renewals and/or extensions thereof, respectively, a fully and entirely as the same would have been held and enjoyed by us had this Assignment not been made.

The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of the said application, and of the right to make, use or sell the inventions and improvements disclosed therein within the United States and that we have the full right to make this Assignment.

And for the consideration aforesaid, we agree that we will communicate to said Assignee or the representatives thereof any facts known to us respecting the inventions and improvements of the said United States application and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all divisional, re-issue, continuation, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said Assignee or by counsel for said Assignee, to assist or enable said Assignee to obtain and enforce full benefits from the rights and interest herein assigned. This Assignment shall be binding upon our heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said Assignee.

Executed at Hyogo,

this 1st day of June, 1999



Yoshiaki Okuhama

Executed at Hyogo,

this 1st day of June, 1999

Takao Takeuchi

Takao Takeuchi

Executed at Hyogo,

this 1st day of June, 1999

Keigo Obata

Keigo Obata

Executed at Hyogo,

this 1st day of June, 1999

Yasuhito Kohashi

Yasuhito Kohashi

Executed at Osaka,

this 7th day of June, 1999

Hidemi Nawafune

Hidemi Nawafune