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HEET

U.S. DEPARTMENT OF COMMERCE
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Tab settings

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

1. Name of conveying party(ies):
**HITOSHI MITSUI
TOSHIYA IIDA
IKUYO IKENO
NAOKO HIRANO, YUKIKO ARIYOSHI**

Additional names(s) of conveying party(ies) Yes No

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

Name: **NIPPON SHOKUBAI CO., LTD.**

Address: **1-1, Koraibashi 4-chome,**

Chuo-ku, Osaka-shi

City: **Osaka 541-0043**

State/Prov.: _____

Country: **Japan**

ZIP: _____

Additional name(s) & address(es) Yes No

3. Nature of conveyance:

Assignment Merger

Security Agreement Change of Name

Other _____

Execution Date: **October 8, 1999**

4. Application number(s) or registration numbers(s): **09/425385**

If this document is being filed together with a new application, the execution date of the application is: **October 8, 1999**

Patent Application No. _____

Filing date _____

B. Patent No.(s) _____

Additional numbers Yes No

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

Name: **David G. Conlin**

Registration No. **27026**

Address: **Dike, Bronstein, Roberts & Cushman, LLP**

130 Water Street

40.00 DP

City: **Boston**

State/Prov.: **MA**

Country: **USA**

ZIP: **02109**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41):.....\$ **40.00**

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

Authorized to be charged to deposit account

8. Deposit account number:

04-1105

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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.

David G. Conlin

October 22, 1999

Name of Person Signing

Signature

3

Date

Total number of pages including cover sheet, attachments, and

A S S I G N M E N T

We Hitoshi MITSUI,
Toshiya IIDA,
and Ikuyo IKENO
for good and valuable consideration from Nippon Shokubai Co., Ltd.
a Japanese corporation,
having its principal place of business in Osaka, Japan,
hereinafter called the Assignee, receipt of which is hereby acknowledged, do hereby
sell, assign and transfer unto the Assignee, its successors and assigns, the entire
right, title and interest in, to and under an application for Letters Patent of the
United States Serial No. _____, filed on _____ * signed by us
for Improvements in METHOD FOR MANUFACTURING FLUOROARYL MAGNESIUM HALIDE

including all priority rights ensuing therefrom, and the inventions and any of them
therein set forth and described, and any and all Letters Patent of the United States
and of countries foreign thereto which may be granted thereon or therefor, together
with the right to apply for such Letters Patent.

And for the above consideration we agree promptly upon request of the Assignee,
its successors or assigns, to execute and deliver without further compensation any
power of attorney, assignment, application, whether original, divisional, continuation
or reissue, or other papers which may be necessary or desirable fully to secure to the
Assignee, its successors and assigns, the inventions and any of them described in said
application and all patent rights therein, in the United States and in any country
foreign thereto.

The undersigned hereby grant(s) the law firm of Dike, Bronstein, Roberts &
Cushman 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.

IN WITNESS WHEREOF, I, Hitoshi MITSUI, hereunto set my
hand and seal this 8th day of October, 1999, I, Toshiya
IIDA, hereunto set my hand and seal this 8th day of October
1999, and I, Ikuyo IKENO, hereunto set my hand and seal
this 8th day of October, 1999.

Hitoshi Mitsui
Toshiya Iida
Ikuyo Ikeno

Commonwealth [State] of _____ ss.
County of _____

Before me this _____ day of _____, 19____, personally appeared
_____, who is to me personally known, and acknowledged
the foregoing instrument of assignment to be [her] his free act and deed.

Notary Public

Commonwealth [State] of _____ ss.
County of _____

Before me this _____ day of _____, 19____, personally appeared
_____, who is to me personally known, and acknowledged
the foregoing instrument of assignment to be [her] his free act and deed.

Notary Public

*Where the application is assigned before it is filed,
and hence has no Serial No., this shall be left blank.

A S S I G N M E N T

We Naoko HIRANO
YUKIKO ARIYOSHI
and _____
for good and valuable consideration from Nippon Shokubai Co., Ltd.
a Japanese corporation,
having its principal place of business in Osaka, Japan
hereinafter called the Assignee, receipt of which is hereby acknowledged, do hereby
sell, assign and transfer unto the Assignee, its successors and assigns, the entire
right, title and interest in, to and under an application for Letters Patent of the
United States Serial No. _____, filed on _____ * signed by us
for Improvements in METHOD FOR MANUFACTURING FLUOROARYL MAGNESIUM HALIDE

including all priority rights ensuing therefrom, and the inventions and any of them
therein set forth and described, and any and all Letters Patent of the United States
and of countries foreign thereto which may be granted thereon or therefor, together
with the right to apply for such Letters Patent.

And for the above consideration we agree promptly upon request of the Assignee,
its successors or assigns, to execute and deliver without further compensation any
power of attorney, assignment, application, whether original, divisional, continuation
or reissue, or other papers which may be necessary or desirable fully to secure to the
Assignee, its successors and assigns, the inventions and any of them described in said
application and all patent rights therein, in the United States and in any country
foreign thereto.

The undersigned hereby grant(s) the law firm of Dike, Bronstein, Roberts &
Cushman 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.

IN WITNESS WHEREOF, I, Naoko HIRANO, hereunto set my
hand and seal this 8th day of October, 1999, I, Yukiko
ARIYOSHI, hereunto set my hand and seal this 8th day of October
1999, and I, _____, hereunto set my hand and seal
this _____ day of _____, 19__.

Naoko Hirano
Yukiko Ariyoshi

Commonwealth [State] of _____ ss.
County of _____

Before me this _____ day of _____, 19__, personally appeared
_____, who is to me personally known, and acknowledged
the foregoing instrument of assignment to be [her] his free act and deed.

Notary Public

Commonwealth [State] of _____ ss.
County of _____

Before me this _____ day of _____, 19__, personally appeared
_____, who is to me personally known, and acknowledged
the foregoing instrument of assignment to be [her] his free act and deed.

Notary Public

*Where the application is assigned before it is filed,
and hence has no Serial No., this shall be left blank.