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S.N. 08/883705
US DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
ATTORNEY DOCKET NO. 2432-7002

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

1. Name of conveying party(ies):

Toshifumi HATANAKA, c/o Elf Atochem Japan Kyoto Technical Center SCB#3, Kyoto Research Park, 1, Awatacho, Chudoji, Shimogyo-ku, Kyoto 600, JAPAN; Kazuya HATA, c/o Elf Atochem Japan, Bungei Shunju Annex 2F, 3-23 Kioi-cho, Chiyoda-ku, Tokyo 102, JAPAN; Tetsushi KAWAMURA, c/o Elf Atochem Japan, Bungei Shunju Annex 2F, 3-23 Kioi-cho, Chiyoda-ku, Tokyo 102, JAPAN; Hirokazu ITOH, 4-1-31-204, Mikagenakamachi, Higashinada-ku, Kobe-shi, Hyogo, JAPAN; Yoshihiro ARITA, 9-10-1012, Nagayoshi-kawanabe 3-chome, Hirano-ku, Osaka-shi, Osaka, JAPAN

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

Name: Nippon Shokubai Co., Ltd., 1-1, Korabashi 4-chome, Chuo-ku, Osaka-shi, Osaka 541 JAPAN and Elf ATOCHEM S.A., 4/8 Cours Michelet, La Defense 10, 92800 Puteaux, FRANCE

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

3. Nature of conveyance:

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

Execution Date: July 18 & 23, 1997

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 No.(s)
- B. Patent No.(s)

Additional numbers attached? Yes No

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

BELL, BOYD & LLOYD
P.O. Box 65331
Washington, D.C. 20035-5331
Tel: (202) 466-6300
Fax: (202) 463-0678

6. Total number of applications and patents involved: 1

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

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number: 02-1818 (Attach duplicate copy of this page if paying by deposit account)

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.

Frederick F. Calvetti
Name of Person Signing

Signature

November 21, 1997
Date

Fee Pd

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

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS:

Toshifumi HATANAKA, c/o Elf Atochem Japan Kyoto Technical Center SCB#3, Kyoto Research Park, 1, Awatacho, Chudoji, Shimogyo-ku, Kyoto 600, JAPAN

Kazuya HATA, c/o Elf Atochem Japan, Bungei Shunju Annex 2F, 3-23 Kioi-cho, Chiyoda-ku, Tokyo 102, JAPAN

Tetsushi KAWAMURA, c/o Elf Atochem Japan, Bungei Shunju Annex 2F, 3-23 Kioi-cho, Chiyoda-ku, Tokyo 102, JAPAN

Hirokazu ITOH, 4-1-31-204, Mikagenakamachi, Higashinada-ku, Kobe-shi, Hyogo, JAPAN

Yoshihiro ARITA, 9-10-1012, Nagayoshi-kawanabe 3-chome, Hirano-ku, Osaka-shi, Osaka, JAPAN
(full name(s) and post office address(s) of inventor(s) (including country))

(hereinafter referred to as ASSIGNOR(S)), has made a discovery or invention entitled:

METHOD FOR REDUCING DEPOSITION OF COKES IN HEAT-REFINING PROCESS OF PETROLEUM

HIGH-MOLECULAR HYDROCARBONS, AND ADDITIVE USED IN THE METHOD

(title of discovery or invention)

for which application for Letters Patent of the United States has been executed on even date herewith,

for which application for Letters Patent of the United States has been filed on _____, under Serial No. _____, and

WHEREAS:

Nippon Shokubai Co., Ltd., 1-1, Koraibashi 4-chome, Chuo-ku, Osaka-shi, Osaka 541 JAPAN and ELF ATOCHEM S.A., 4/8 Cours Michelet, La Defense 10, 92800 Puteaux, FRANCE
(name and address of assignee)

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

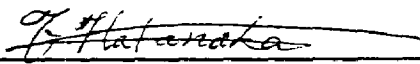
Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR(S) of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR(S) hereby sells, assigns and transfers to ASSIGNEE, its successors, legal representatives and assigns, the full and exclusive right, title and interest to said discovery or invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, renewal, substitute or reissue thereof or any legal equivalent

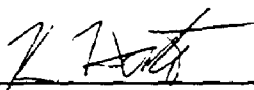
thereof in a foreign country for the full term or terms for which the same may be granted.

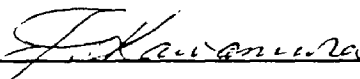
I, SAID ASSIGNOR(S), hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and any Official of any country or countries foreign to the United States of America whose duty it is to issue Letters Patent on applications as aforesaid, to issue all such Letters Patent for said discovery or invention to the ASSIGNEE, as assignee of the entire right, title and interest in, to and under the same, for the sole use and behoof of the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

I, SAID, ASSIGNOR(S), hereby covenant that I have full right to convey the entire right, title and interest herein sold, assigned, transferred and set over;

AND I, SAID ASSIGNOR(S) hereby further covenant and agree that the ASSIGNEE, its successors, legal representatives, or assigns, may apply for foreign Letters Patent on said discovery or invention and claim the benefits of the International Convention, and that I will, at any time, when called upon to do so by the ASSIGNEE, its successors, legal representatives, or assigns, communicate to the ASSIGNEE, its successors, legal representatives, or assigns, as the case may be, any facts known to me respecting said discovery or invention, and execute and deliver any and all lawful papers that may be necessary or desirable to perfect the title to the said discovery or invention, the said applications and the said Letters Patent in the ASSIGNEE, its successors, legal representatives and assigns, and that if reissues of the said Letters Patent or disclaimers relating thereto, or divisions, continuations, or re filings of the said applications, or any thereof, shall hereafter be desired by the ASSIGNEE, its successors, legal representatives, or assigns, I will, at any time, when called upon to do so by the ASSIGNEE its successors, legal representatives, or assigns, sign all lawful papers, make all rightful oaths, execute and deliver all such disclaimers and all divisional, continuation and reissue applications so desired, and do all lawful acts requisite for the application for such reissues and the procuring thereof and for the filing of such disclaimers and such applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention or discovery in all countries, all without further compensation but at the expense of the ASSIGNEE, its successors, legal representatives and assigns.

Assignor's signature: 
Toshifumi HATANAKA July 18, '97 DATE
Citizenship: JAPANESE

Assignor's signature: 
Kazuya HATA July 18, 1997 DATE
Citizenship: JAPANESE

Assignor's signature: 
Tetsushi KAWAMURA July 18, '97 DATE
Citizenship: JAPANESE

This assignment should preferably be signed before: (a) Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date _____ Witness: _____

Date _____ Witness: _____

Assignor's signature: Hirokazu Itoh
Hirokazu ITOH July 23, 1997 DATE
Citizenship: JAPANESE

Assignor's signature: Yoshihiro Arita
Yoshihiro ARITA July 23, 1997 DATE
Citizenship: JAPANESE

Assignor's signature: _____
DATE
Citizenship: _____

Assignor's signature: _____
DATE
Citizenship: _____

This assignment should preferably be signed before: (a) Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date _____ Witness: _____

Date _____ Witness: _____