

ADS81/40

RECORDATION FORM COVER SHEET

5/20/03

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09-30-2003

Our Ref.: 427-76

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P.O. Box 1450  
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

|  |   |
|--|---|
| <p>1. Name of conveying party(ies):<br/>Koichi ASANO<br/>Shigeru HAYASHIDA<br/>Nobuaki EGOSHI<br/>Hiroshi KAWAKAMI</p> <p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance:<br/> <input checked="" type="checkbox"/> Assignment      <input type="checkbox"/> Merger<br/> <input type="checkbox"/> Security Assignment      <input type="checkbox"/> Change of Name<br/> <input type="checkbox"/> Other</p> <p>Execution Date: <u>May 14, 2003</u></p> | <p>2. Name and address of receiving party(ies):</p> <p>Name: <u>Koichi Asano</u><br/> Internal Address: _____<br/> Street Address: <u>7-17-6-RC2-8, Yoto, Utsunomiya-shi</u><br/> _____<br/> _____<br/> City: <u>Tochigi-ken</u><br/> State/Country: <u>Japan</u><br/> Zip: _____</p> <p>Additional name/s &amp; address/es attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> |
|--|---|

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: May 14, 2003

|  |  |
|--|--|
| <p>A. Patent Application No(s).<br/> (1) To be assigned <u>10/432164</u><br/> (2)<br/> (3)</p> | <p>B. Patent No(s).<br/> (1)<br/> (2)<br/> (3)</p> |
|--|--|

Additional numbers attached  Yes  No

|   |  |
|---|--|
| <p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Arthur R. Crawford</u><br/> Internal Address: _____<br/> Street Address: <u>Nixon &amp; Vanderhye P.C.</u><br/> <u>1100 North Glebe Road</u><br/> <u>8<sup>th</sup> Floor</u><br/> City: <u>Arlington</u> State: <u>VA</u> Zip: <u>22201</u></p> | <p>6. Total number of applications &amp; patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41) \$ <u>40.00</u><br/> <input checked="" type="checkbox"/> Enclosed<br/> <input type="checkbox"/> Authorized to be charged to deposit account #14-1140</p> <p>8. The Commissioner is hereby authorized to charge any <u>deficiency</u> in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our <b>Account No. 14-1140.</b></p> |
|---|--|

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9. Statements 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.

Arthur R. Crawford            May 20, 2003  
Name of Person Signing      Signature      Date

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

RECORDATION FORM COVER SHEET

**PATENTS ONLY**

Our Ref: 427-76

Commissioner of Patents and Trademarks  
Box Assignment, P.O. Box 1450  
Alexandria, VA 22313-1450

|  |                  |
|--|------------------|
| 1. Name of conveying party(ies):   |                  |
| 2. Name: NIPPON SANZO CORPORATION<br>Street Address: 16-7, Nishi-shinbashi 1-chomeMinato-ku<br>City: Tokyo<br>State: Japan<br>Zip: |                  |
| 4. Application number(s) or patent number(s):  |                  |
| A. Patent Application No(s).   | B. Patent No(s). |
| (4)  | (4)              |
| (5)  | (5)              |
| (6)  | (6)              |
| (7)  | (7)              |
| (8)  | (8)              |
| (9)  | (9)              |

**ASSIGNMENT OF U.S. PATENT APPLICATION**

(1) Koichi Asano; (2) Shigeru Hayashida; (3) Nobuaki Egoshi; and  
(4) Hiroshi Kawakami

(Inventors)

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to (1) Koichi Asano of 7-17-6-RC2-8, Yoto, Utsunomiya-shi, Tochigi-ken, Japan; and (2) NIPPON SANSO CORPORATION of 16-7, Nishi-shinbashi 1-chome, Minato-ku, Tokyo, Japan

(Assignee)  
(Address)

(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions in the invention, and all applications for patent and any Letters Patent which may be granted therefore, known as METHOD AND APPARATUS FOR SEPARATION AND ENRICHMENT BY DISTILLATION OF A MIXTURE WITH A SEPARATION FACTOR CLOSE TO 1 for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed on \_\_\_\_\_ or has already filed U.S. application Serial No. \_\_\_\_\_, on \_\_\_\_\_.

(Title)

The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. 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 United States Patent Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

|      |                     |                       |                          |                   |
|------|---------------------|-----------------------|--------------------------|-------------------|
| Date | <u>May 14, 2003</u> | Signature of inventor | <u>Koichi Asano</u>      | Koichi Asano      |
| Date | <u>May 14, 2003</u> | Signature of inventor | <u>Shigeru Hayashida</u> | Shigeru Hayashida |
| Date | <u>May 14, 2003</u> | Signature of inventor | <u>N. Egoshi</u>         | Nobuaki Egoshi    |
| Date | <u>May 14, 2003</u> | Signature of inventor | <u>H Kawakami</u>        | Hiroshi Kawakami  |
| Date | _____               | Signature of inventor | _____                    | _____             |

Witnessed by: Takashi Inui  
Witnessed by: Sumiyo Arai

Date May 14, 2003  
Date May 14, 2003