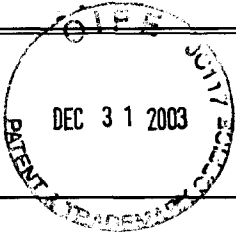


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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

**Hiroyuki Matsumoto, Katsunori Fujii and  
Yasuo Shirasaki**

Additional names of conveying parties attached?  Yes  No

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

Name: **Nippon Kayaku Kabushiki Kaisha**

Address: **11-2, Fujimi 1-chome, Chiyoda-ku  
Tokyo 102-8172 Japan**

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

3. Nature of conveyance:

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

Execution date: **December 3, 2003**

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:  
**10/475,719**

B. Patent No.(s):

Additional numbers attached?  Yes  No

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

**Kevin S. Lemack  
Niels & Lemack  
176 East Main Street  
Westborough, MA 01581**

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: **14-0930**

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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.*

Kevin S. Lemack  
Name of person signing

Signature

**December 29, 2003**  
Date

Attorney Docket No.: **441P077**

Total number of pages including cover sheet, attachments and document: **6**



(ATTORNEY DOCKET NO. 441 P077 )

## ASSIGNMENT

Page 1 of 2

Serial No. 10/475,719, Filed October 23, 2003  
(based on PCT International Application No. PCT/JP02/04321 filed April 30, 2002)

WHEREAS, Hiroyuki MATSUMOTO, a citizen of Japan, of  
99-1-106, Nissin-cho 3-chome,  
Kita-ku, Saitama-shi, Saitama 331-0044, Japan  
Katsunori FUJII, a citizen of Japan, of  
17-41-1104, Edobukuro 1-chome,  
Kawaguchi-shi, Saitama 334-0075, Japan  
Yasuo SHIRASAKI, a citizen of Japan, of  
61-7, Minaminakano, Minuma-ku,  
Saitama-shi, Saitama 330-0826, Japan

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in  
" ANTHRAPHYRIDONE COMPOUND, WATER-BASED MAGENTA INK COMPOSITION AND INK-JET  
RECORDING METHOD "

for which an application for Letters Patent of the United States of America has been executed by the undersigned

on 3rd day of December, 2003; and

WHEREAS,

Nippon Kayaku Kabushiki Kaisha

(a corporation duly organized  
and existing under the laws of Japan), of

11-2, Fujimi 1-chome, Chiyoda-ku,  
Tokyo 102-8172, JAPAN

(assignee),

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of  
acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be  
granted therefore in the United States of America;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned in hand paid,  
the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has  
(have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee the full  
and exclusive right to the said invention in the United States of America and its territories, dependencies and  
possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted

therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the 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(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the 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 law firm of **Nields & Lemack of 176 East Main Street, Suite 8, Westboro, Massachusetts 01581 U. S. A.** 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*, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 3rd day of Decmbr, 2003, Name of Inventor Hiroyuki Matsumoto  
Hiroyuki MATSUMOTO

Date 3rd day of December, 2003, Name of Inventor Katsunori Fujii  
Katsunori FUJII

Date 3rd day of December, 2003, Name of Inventor Yasuo Shirasaki  
Yasuo SHIRASAKI