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

NIPK
7-28-98

1. Name of conveying party(ies):
Koichi Wada, Yoshimasa Seo, Akira Iwamoto, Atsushi Sudo, Fumio Sakai, Kazuo Shiraishi and Hiroyoshi Nowatari

2. Name and address of receiving party(ies):
Name: **Nippon Kayaku Kabushiki Kaisha**
Address: **11-2, Fujimi 1-chome Chiyoda-ku, Tokyo, Japan**

Additional names of conveying parties attached? Yes No

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other: _____

Execution date: **July 8, 1998**

4. Application number(s) or patent number(s): **09/17,461**
If this document is being filed together with a new application, the execution date of the application is: **July 8, 1998**

A Patent Application No.(s)

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 & Dingman
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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

July 28, 1998
Date

Attorney Docket No.: **576P011**

Total number of pages including cover sheet, attachments and document: **3**

ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to **Koichi Wada**, a citizen of Japan, residing at 14-2, Soyagi, Yamato-shi, Kanagawa-ken, Japan, **Yoshimasa Seo**, a citizen of Japan, residing at 2959-1, Ooaza-Koori, Sanyo-cho, Asa-gun, Yamaguchi-ken, Japan, **Akira Iwamoto**, a citizen of Japan, residing at 187-11 Ooaza-Kiwanami, Ube-shi, Yamaguchi-ken, Japan, **Atsushi Sudo**, a citizen of Japan, residing at 340-4, Haraichi, Annaka-shi, Gunma-ken, Japan, **Fumio Sakai**, a citizen of Japan, residing at 1192, Hodota, Gunma-machi, Gunma-gun, Gunma-ken, Japan, **Kazuo Shiraishi**, a citizen of Japan, residing at 208, Ohya, Annaka-shi, Gunma-ken, Japan and **Hiroyoshi Nowatari**, a citizen of Japan, residing at 762-51, Kuragano-machi, Takasaki-shi, Gunma-ken, Japan by **NIPPON KAYAKU KABUSHIKI KAISHA**, a corporation organized under the laws of Japan, located at 11-2, Fujimi 1-chome, Chiyoda-ku, Tokyo, Japan receipt of which is hereby acknowledged, we, the said **Koichi Wada, Yoshimasa Seo, Akira Iwamoto, Atsushi Sudo, Fumio Sakai, Kazuo Shiraishi** and **Hiroyoshi Nowatari** do hereby sell and assign to said **NIPPON KAYAKU KABUSHIKI KAISHA**, its successors and assigns, all our right, title and interest, in and for the United States of America, in and to the invention entitled

METHOD FOR THE PRODUCTION OF ACROLEIN
AND ACRYLIC ACID

invented by us and described in the application for United States Letters Patent executed by us on the 8th day of July, 1998 (PCT/JP97/04402; filed 02 December 1997) and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and

enjoyed by said **NIPPON KAYAKU KABUSHIKI KAISHA**, its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made;

And we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said **NIPPON KAYAKU KABUSHIKI KAISHA**.

Signed on the dates indicated beside our signatures:

INVENTORS

DATE SIGNED

WITNESSES

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July 5, 1998

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