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Form. PTO-1595 (Adapted)
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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy the eof.

1. Name of conveying party(ies):
Naoki Kimura; Namiko Shiohata
Additional name(s) of conveying party(ies) attached? Yes No

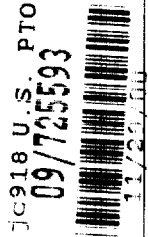
2. Name and address of receiving party(ies):
Name: Nisshinbo Industries, Inc.

Address: R & D Center, 1-2-3, Onodai
Midori-ku, Chiba-shi,
Chiba, 267-0056, Japan

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

Execution Date: October 30, 2000 (as to both)

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



4(a). Patent Application No.(s): Filed Concurrently Herewith 4(b). Patent No.(s):

If this document is being filed together with a new application, the execution date of the application is: October 30, 2000

Additional numbers attached? Yes No

9/725593

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

Name: **Roger T. Frost, Esq.**

Address: KILPATRICK STOCKTON LLP
2400 Monarch Tower
3424 Peachtree Road, N.E.
Atlanta, Georgia 30326

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) enclosed: \$ 40

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8. Statement and signature.

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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.

Roger T. Frost
Name of Person Signing

Signature

November 29, 2000
Date

Attorney Docket No.: 45455/249668

Total number of pages including cover sheet: 2

Mail documents to be recorded with required cover sheet information to:

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24062

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PATENT
REEL: 011350 FRAME: 0271

ASSIGNMENT

The undersigned Inventor(s).

Naoki KIMURA and Namiko SHIOHATA, all of whose post address are the same of; c/o Nisshinbo Industries, Inc., R & D Center, 1-2-3, Onodai, Midori-ku, Chiba-shi, Chiba, 267-0056, Japan

in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, does hereby sell, transfer, and assign to the Assignee, Nisshinbo Industries, Inc.

a corporation organized and existing under the laws of Japan, having a place of business at 31-11, Nihonbashi Ningyocho 2-chome, Chuo-ku, Tokyo, Japan

the full, exclusive, and entire right, title, and interest for the territory of the United States of America in and to the invention entitled

NUCLEIC ACID-IMMOBILIZED SUBSTRATE

as described and claimed in the application for Letters Patent filed at the United States Patent and Trademark Office on or about _____, 19__; and the full, exclusive and entire right, title, and interest in and to said application, in and to any divisions, continuations, and reissues thereof; and I(we) hereby request the Commissioner of Patents and Trademarks of the United States of America to issue said Letters Patent to the Assignee, for its interest, for the sole use of the Assignee and its successors, assigns and legal representatives, as fully and entirely as the same would have been held by me (us) had this assignment not been made;

AND, for the same consideration, I (we) agree to sign all lawful papers, execute all division, continuing, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to the Assignee, its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in the United States of America.

Executed on: October 30, 2000

Naoki Kimura
Naoki KIMURA

October 30, 2000

Namiko Shiohata
Namiko SHIOHATA

