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

1. Name of conveying party or parties:

- 1. Katsuya Satoh
- 2. Seiichi Wada
- 3. Issay Narumi
- 4. Masahiro Kikuchi
- 5. Tomoo Funayama
- 6. Yasuhiko Kobayashi

2-10-04

Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party or parties:

Japan Atomic Energy Research Institute  
 14-1, Suehiro-cho,  
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 JAPAN

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3. Nature of conveyance:

- Assignment  Merger
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Execution Date: December 4, 2003

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 Number(s):

10/664,044

Additional number(s) attached?  Yes  No

B. Patent Number(s):

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

William J. Fisher  
 Banner & Witcoff, Ltd.  
 1001 G Street, N.W., 11<sup>th</sup> Floor  
 Washington, D.C. 20001-4597

6. Total number of applications and patents involved: 1

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

- Enclosed
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8. Deposit Account No.:

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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.

William J. Fisher, Reg. No. 32,133

Name of Person Signing

*William J. Fisher*

Signature

February 10, 2004

Date

Total number of pages including cover sheet: 2

ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to Katsuya SATOH, Seiichi WADA, Issay NARUMI, Masahiro KIKUCHI, Tomoo FUNAYAMA, and Yasuhiko KOBAYASHI, subjects(s) of Japan, by JAPAN ATOMIC ENERGY RESEARCH INSTITUTE, a corporation organized under the laws of Japan, located at 14-1, Suehiro-cho, Kashiwa-shi, Chiba-ken, Japan

Japan, receipt of which is hereby acknowledged, the said Katsuya SATOH, Seiichi WADA, Issay NARUMI, Masahiro KIKUCHI, Tomoo FUNAYAMA, and Yasuhiko KOBAYASHI hereby sell(s) and assign(s) to said JAPAN ATOMIC ENERGY RESEARCH INSTITUTE

and their successors and assigns, all their (his) right(s), title and interest in and to a Letters Patent for the United States of America, in and for the invention of A METHOD FOR EFFICIENTLY DETERMINING A DNA STRAND BREAK (filed on September 17, 2003 under USSN 10/664,044) invented by us (me) and described in the application for United States Letters Patent being filed concurrently herewith or executed separately herefrom, and all United States Letters Patent which may be granted therefor, and all divisions, reissues, continuations and extensions thereof, the said interest being the entire ownership of said Letters Patent when granted to be held and enjoyed by said JAPAN ATOMIC ENERGY RESEARCH INSTITUTE

\_\_\_\_\_, their successors, assigns or other legal representatives, to the full end of the term for which said Letters Patent may be granted, a fully and entirely as the same would have been held and enjoyed by us (me) if this assignment and sale had not been made.

AND WE (I) hereby agree to sign and execute any further documents or instruments which may be necessary, lawful and proper in the