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Assistant Commissioner for Patents: Pl

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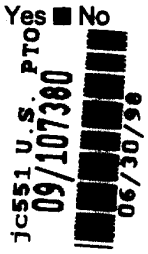
1. Name of conveying party(ies):
**TAKAAKI MAEKAWA
MITSUAKI KUROSHIMA**

2. Name and address of receiving party(ies):
**Japan Science and Technology Corporation
1-8, Hon-cho 4-chome, Kawaguchi-shi
Saitama 332-0012 Japan**

Additional name(s) attached? Yes No

Additional names/addresses attached? Yes No

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



Execution Date: **6/22/98**

4. Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is: **6/22/98**

A. Patent Application No.(s):

B. Patent No.(s):

Additional numbers attached? Yes No

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

**Lisa A. Haile, Reg. No. 38,347
Fish & Richardson P.C.
4225 Executive Square, Suite 1400
La Jolla, CA 92037**

6. Total number of applications/patents involved: **1**

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

Enclosed
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8. Deposit account number: **06-1050**
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9. Statement and signature: *To the best of my knowledge and belief, the foregoing information is true and correct and the attached is the original document.*

Lisa A. Haile, Reg. No. 38,347
Name of Person Signing

Lisa A. Haile
Signature

6/30/98
Date

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

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Deborah Clark

PATENT
Deborah Clark
REEL: 9286 FRAME: 0622

Attorney's Docket No.: _____
Assignment of Application

WHEREAS, I (WE) Takaaki Maekawa of 1-1-1, Tennodai, Tsukuba-shi,
Ibaraki 305-0006 Japan and
Mitsuaki Kuroshima of Garden-Court C101, 29-5, Inarimae, Tsukuba-shi,
Ibaraki 305-0061 Japan

_____, respectively,
have invented certain new and useful improvements in: _____
MICROORGANISMS-IMMOBILIZED MAGNETIC CARRIERS, A PROCESS FOR
PRODUCING THE CARRIERS AND A METHOD OF TREATING WASTEWATER
for which an application for Letters Patent was executed on June 22, 1998
(Application No. _____, filed _____), and

WHEREAS, Japan Science and Technology Corporation
(hereinafter referred to as "ASSIGNEE") having a place of business at: 1-8,
Hon-cho 4-chome, Kawaguchi-shi, Saitama 332-0012 Japan

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any official of any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.


Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its legal representatives and assigns covenant and any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of FISH & RICHARDSON P.C. of 4225 Executive Square, Suite 1400, La Jolla, California 92037 U.S.A. the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: June 22, 1998


(Signature of inventor) Takaaki Maekawa

Date: June 22, 1998


(Signature of inventor) Mitsuaki Kuroshima