

04-05-1999

Attorney Docket No.: 07898/037001

REC
MRP 3-26-99



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JCS11 U.S. PTO
09/277079
03/26/99

1. Name of conveying party(ies):
Haruhiro Shigemitsu

2. Name and address of receiving party(ies):
**Asada Corporation
46-1, Honcho 2-chome
Nakano-ku, Tokyo 164-0012, 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: 3/17/99

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: **3/17/99**

A. Patent Application No.(s):

B. Patent No.(s):

09/277079

Additional numbers attached? Yes No

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

**Lisa A. Haile
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
 Authorized to charge deposit account

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

Name of Person Signing

Signature

3/26/99

Date

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

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I hereby certify under 37 CFR 1.10 that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office To Addressee" with sufficient postage on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

DUNCAN PATENT

REEL: 9854 FRAME: 0470

Assignment of Application

WHEREAS, I (WE)

Haruhiro SHIGEMITSU of 565, Mizusato 5-chome, Nakagawa-ku,
Nagoya-shi, Aichi 454-0963, Japan

_____, respectively,

have invented certain new and useful improvements in:

BACILLUS DECOMPOSING TURF PSEUDO THATCH AND THATCH,
AND A MICROBIAL MATERIAL CONTAINING THE BACILLUS

for which an application for Letters Patent was executed on _____

(Application No. _____, filed _____), and

WHEREAS, ASADA CORPORATION

(hereinafter referred to as "ASSIGNEE") having a place of business at:
46-1, Honcho 2-chome, Nakano-ku, Tokyo 164-0012, 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: March 17, 1999

Haruhiro Shigemitsu

(Signature of inventor) Haruhiro SHIGEMITSU