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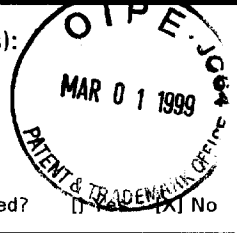
U.S. DEPARTMENT OF COMMERCE  
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DOCKET NO. 2476/0F179

100995547

To the Honorable Commissioner of Patents and Trademarks: Please record this document or copy thereof.

3-1-99



1. Name of conveying party(ies):

SHUJI KITAMURA; TAKASHI UEYAMA

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

2. Name and address of receiving party(ies):

Name: CALPIS CO. LTD.

Internal Address:

Street Address: 20-3, Ebisu-Nishi 2-chome, Shibuyaku

City: Tokyo, JAPAN

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

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Execution Date: February 5, 1999

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: **EVERY OTHER**

A. Patent Application No.(s)  
09/231,448 filed January 14, 1999

B. Patent No.(s)

DEPOSITED WITH THE U.S. POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO COMMISSIONER OF PATENTS & TRADEMARKS, WASHINGTON, DC 20231  
ON February 19, 1999 (DATE OF DEPOSIT)  
J. Joseph (NAME)

Additional numbers attached?  Yes  No

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

Name: Darby & Darby P.C.

Internal Address: S. Peter Ludwig

03/08/1999 TL0011 00000021 09231448

03 FC:581

40.00 DP

Street Address: 805 Third Avenue, 27th Floor

City: New York State: New York Zip: 10022-7513

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:

04-0100

(Attach duplicate copy of this page if paying by deposit account)

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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.

S. Peter Ludwig

Name of Person Signing

Signature

Date: February 18, 1999

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

2

ASSIGNMENT

2476/OF179

We, **SHUJI KITAMURA**, a citizen of Japan, residing at Berumezon Machida 201, 2-18-8, Nakamachi, Machida-shi, Tokyo, Japan; and

**TAKASHI UEYAMA**, a citizen of Japan, residing at Junesu Kajigaya 405, 4-1-2, Kajigaya, Takatu-ku, Kawasaki-shi, Kanagawa-Ken, Japan

(hereafter called "ASSIGNORS") in consideration of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to us by **CALPIS CO. LTD.**, a corporation organized under the laws of Japan, located at 20-3, Ebisu-Nishi 2-chome, Shibuya-ku, Tokyo, Japan, (hereafter called the "ASSIGNEE"), do hereby sell and assign to the said ASSIGNEE, its successors and assigns, all our right, title and interest, in and for the United States of America, in and to the following United States patent application:

U.S. Serial No. **09/231,448**  
Filed: **January 14, 1999**  
For: **METHOD OF PURIFYING WHEY OF LACTIC ACID FER-  
MENTATION BY ELECTRODIALYSIS**

invented by us and described in the application for United States Letters Patent therefor, and all divisions, reissues, 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 ASSIGNEE, its successors, assigns or other legal representatives, 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 and enjoyed by said ASSIGNORS if this assignment and sale had not been made;

And ASSIGNORS hereby agree to sign and execute any further documents or instruments which may be advisable, lawful, and proper in the prosecution of said above-named application or in the preparation, filing and prosecution of any continuing, continuation-in-part, substitute, divisional, or reissue applications or in any amendment, extension, or interference proceedings, with respect to any of them or otherwise to secure the title thereto in said ASSIGNEE;

And the said ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE.

Dated: 2/5/1999

Shuji Kitamura  
SHUJI KITAMURA, Inventor

Dated: 2/5/1999

Takashi Ueyama  
TAKASHI UEYAMA, Inventor