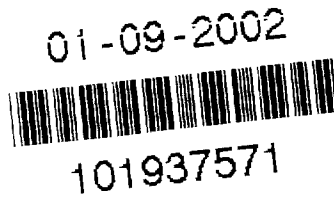


**ASSIGNMENT BRANCH**

**Hon. Commissioner of Patents and Trad  
Washington, DC 20231**



1-3-02

**Sir: Please record the attached original assignment, having the following particulars:**

**Attorney Docket: 0673-110P/FLS**

**Patent No. 5,915,451**

**Granted: June 29, 1999**

**Assignor: Osaka Shell Industry Co., Ltd.**

**Assignee: Osaka Shell Co., Ltd.  
(A Japanese corporation)**

**Address of assignee: 990, Horikiri, Matsuo-cho, Toba-shi, Mie, Japan**

**Nature of enclosed document: Patent application assignment**

**Total number of applications/registrations involved: 1**

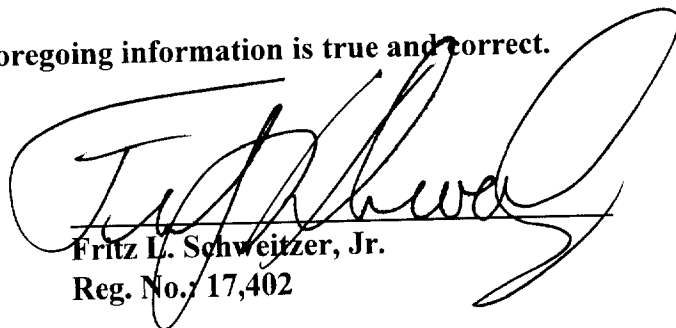
**Amount of fee enclosed: \$40.00  
(Please charge any deficiency to deposit account No. 19-0748)**

**Date of execution of enclosure: October 16, 2001**

**All correspondence, including the recorded document should be sent to the address at the bottom.**

**To the best of my knowledge and belief, the foregoing information is true and correct.**

**Date: October 25, 2001**



**Fritz L. Schweitzer, Jr.  
Reg. No.: 17,402**

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

Schweitzer Cornman Gross & Bondell LLP, 292 Madison Avenue, New York, NY 10017

01/09/2002 LMUELLER 00000052 5915451

01 FC:581

40.00 OP

**PATENT  
REEL: 012435 FRAME: 0571**

## ASSIGNMENT

WHEREAS, **OSAKA SHELL INDUSTRY CO., LTD.**, a corporation of Japan (hereinafter called the Assignor), is the owner, by virtue of Assignment recorded in the United States Patent and Trademark Office, of the entire right, title and interest in and to the following United States Patent (hereinafter called Patent Rights):

**Nakamura Patent No. 5,915,451, granted June 29, 1999**

AND, WHEREAS, **OSAKA SHELL CO., LTD.**, a corporation of Japan, having a place of business at 990, Horikiri, Matsuo-cho, Toba-shi, Mie, Japan (hereinafter called Assignee), is desirous of acquiring the entire right, title and interest in and to said Patent Rights.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations, the receipt and sufficiency of which is acknowledged, the Assignor hereby sells and assigns to the Assignee, its successors, legal representatives and assigns, the entire, right, title and interest in and to the said Patent Rights and all reissues and extensions thereof, together with any rights of Priority associated with said Patent Rights and together with the right to sue and collect for all past infringements of said Patent Rights.

The said Assignor represents that the said Patent Rights have not been abandoned, that it has the full right to convey the entire interest herein assigned, and that it has not made, and will not make, any agreement in conflict herewith.

IN WITNESS WHEREOF, this Assignment has been executed by the said  
Assignor on the date set forth below.

**OSAKA SHELL INDUSTRY CO., LTD. (Assignor)**

By: Shinji Nakamura  
Shinji Nakamura, President

Dated: October 16, 2001