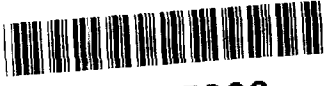


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101947200 U.S. Patent and Trademark Office Atty. Docket: C-3728

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

1. Name of conveying party(ies): Hiroshi YAMASAKI and Shigeyuki FUJINAGA

2. Name and address of receiving party(ies) Name: NIPPON PILLAR PACKING CO., LTD.

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

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

Internal Address: 11-48 Nonakaminami, 2-chome, Yodogawa-ku, Osaka, JAPAN Street Address: Same as above City: State: Zip:

Execution Date: December 7, 2001

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

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 No.(s) 09/525,127 (filed March 14, 2000) (allowed on November 6, 2001)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: GRIFFIN & SZIPL, P.C. Internal Address:

Street Address: Suite PH-1, 2300 Ninth Street, South City: Arlington State: VA Zip: 22204-2320

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41) \$ 40.00 Enclosed Authorized to be charged to deposit account

8. Deposit account number: 50-1281

(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.

B. Franklin Griffin, Jr.; Reg. 19,334 Name of Person Signing

[Signature] Signature

January 10, 2002 Date

Total number of pages including cover sheet, attachments, and documents: 2

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

01/14/2002 TDI A21 00000492 09525127 40.00 0P

01 FC:581

PATENT REEL: 12450 FRAME: 0630

ASSIGNMENT

WHEREAS, the undersigned (hereinafter Assignors) have made an invention entitled CARTRIDGE-TYPE MECHANICAL SEAL

(Title of Invention)

for which the undersigned have made an application for Letters Patent of the United States, said application having been made in an application filed in the U. S. Patent and Trademark Office on the 14<sup>th</sup> day of March, 2000 as Serial No. 09/525,127.

WHEREAS, NIPPON PILLAR PACKING CO., LTD.

(Name of Assignee)

(hereinafter Assignee), having its principal place of business at 11-48, Nonakaminami 2-chome, Yodogawa-ku, Osaka, Japan, is desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the above-said Assignors by these presents do sell, assign and transfer unto the said Assignee, its successors, assigns, and legal representatives, (the full and exclusive right, title and interest to the said invention in the United States of America and all foreign countries, as described in the aforesaid application, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue said Letters Patent to said Assignee, for its interest as Assignee, its successors, assigns, and legal representatives.

<u>Hiroshi YAMASAKI</u>	<u>Hiroshi Yamasaki</u>	<u>December 7, 2001</u>
Typed Name	Signature	Date
<u>Shigeyuki FUJINAGA</u>	<u>Shigeyuki Fujinaga</u>	<u>December 7, 2001</u>
Typed Name	Signature	Date
_____ Typed Name	_____ Signature	_____ Date
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