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Patent and Trademark Office

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

1. Name of conveying party(ies):

ICHIZUKI, Morihito
SAITO, Kenji
YAMADA, Yoshinobu

Additional name(s) of conveying party(ies) attached?

___ Yes ☒ No

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

Name: SHOWA CORPORATION

Internal Address:

Street Address: 14-1, Fujiwara-cho 1-chome,
Gyoda-shi, Saitama, Japan

Additional name(s) and address(es) attached?

___ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ___ Merger

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Execution Date:

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: June 23, 2000

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ___ Yes ☒ No

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

ORUM & ROTH
53 West Jackson Boulevard
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6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41). \$ 40.00☒ Enclosed

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Signature

Keith H. Orum
Name of Person Signing

August 3, 2000
Date

Total number of pages comprising cover sheet: 1

ASSIGNMENT OF U.S. PATENT APPLICATION

Inventor(s) Morihito ICHIZUKI / Kenji SAITO
 Full Name(s) Yoshinobu YAMADA

Assignee Name hereby sell, assign and transfer to
SHOWA CORPORATION
 and Address 14-1, Fujiwara-cho 1-chome, Gyoda-shi, SAITAMA, JAPAN

(hereinafter called the Assignee) the entire right, title, and interest in and to any and all improvements which are disclosed in the Application for United States Letters Patent entitled

Title of BACK PRESSURE GROOVE STRUCTURE OF VARIABLE DISPLACEMENT VANE PUMP
 Invention

which application was
 Complete either
 a) or b) a) executed by the undersigned on the 23rd day of June, 2000
 b) filed on the day of

Serial No
 including any and all United States Letters Patents which may be granted therefore and any and all extensions, divisions, reissues, substitutes, renewals or continuations thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property.

It is hereby authorized and requested that the Commissioner of Patents issue any and all of said Letters Patent, when granted, to said Assignee.

Further, it is agreed that, when requested, without charge to but at the expense of said Assignee, the undersigned will execute all divisional, continuing, substitute, renewal, and reissue patent applications; execute all rightful other papers; and generally do everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection.

Date Signed at TOCHIGI, JAPAN
 this 23rd day of June, 2000

Inventor(s) INVENTOR(S):
 Full Morihito Ichizuki Kenji Saito
 Signature(s) (Morihito ICHIZUKI) (Kenji SAITO)

Yoshinobu Yamada
(Yoshinobu YAMADA)
 WITNESSES:

Witnesses' Fumihiko Mizuno
 Full (Fumihiko MIZUNO)
 Signatures