

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Takeshi Ueki</td> <td>12/08/2006</td> </tr> <tr> <td>Shingo Ishige</td> <td>12/08/2006</td> </tr> <tr> <td>Yoshinobu Yamada</td> <td>12/08/2006</td> </tr> </tbody> </table>		Name	Execution Date	Takeshi Ueki	12/08/2006	Shingo Ishige	12/08/2006	Yoshinobu Yamada	12/08/2006
Name	Execution Date								
Takeshi Ueki	12/08/2006								
Shingo Ishige	12/08/2006								
Yoshinobu Yamada	12/08/2006								
RECEIVING PARTY DATA									
Name:	Showa Corporation								
Street Address:	14-1, Fujiwara-cho, 1-chome								
City:	Gyoda-shi								
State/Country:	JAPAN								
PROPERTY NUMBERS Total: 1									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11610066</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11610066				
Property Type	Number								
Application Number:	11610066								
CORRESPONDENCE DATA									
Fax Number:	(269)465-6431								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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Correspondent Name:	Andrew Babcock								
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Address Line 4:	Bridgman, MICHIGAN 49106								
ATTORNEY DOCKET NUMBER:	6094								
NAME OF SUBMITTER:	Andrew Babcock								
Total Attachments: 3 source=6094_assignment#page1.tif source=6094_assignment#page2.tif source=6094_assignment#page3.tif									

OP \$40.00 11610066

ASSIGNMENT Docket Number 6094

Whereas, I/We, Takeshi UEKI
Name
Address c/o SHOWA CORPORATION, 112-1, Hagadai, Hagamachi, Haga-gun,
TOCHIGI, JAPAN

hereafter referred to as "assignor", have invented certain new and useful improvements in:

(application title) VARIABLE DISPLACEMENT PUMP

- for which an application for a United States Patent was filed on (date) Application Number /
- for which an application for a United States Patent was executed on (date) 12/8/2006

Whereas,

Name SHOWA CORPORATION
Address 14-1, Fujiwara-cho 1-chome, Gyoda-shi, SAITAMA, JAPAN

hereafter referred to as "assignee" is desirous of acquiring the entire right, title and interest in the same.

Now, therefore, in consideration of good and valuable consideration the receipt whereof is acknowledged, I/We, the assignor(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right, title and interest in and to any and all improvements which are disclosed in the application and the entire right, title and interest in and to any and all United States 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 Patent Cooperation Treaty and the Paris Convention for the Protection of Industrial Property. I/We hereby authorize and request the Commissioner of Patent and Trademarks to issue said United States Patent(s) to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof, and for the use and behoof of his legal representatives, to the full end of the term and any applicable statutes of limitations of enforceability for which said Patent may be granted, as fully and entirely as the same would have been held by applicant had this assignment and sale not been made.

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 Executed: (date) Dec. 8, 2006 at: (city, state) TOCHIGI, JAPAN

ASSIGNORS(S):

Takeshi Ueki
(Takeshi UEKI)

WITNESSES:

Fumihiko Mizuno
(Fumihiko MIZUNO)

Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below*.

* Total of 3 Forms are submitted.

FPOS.11
-1-

ASSIGNMENT	Docket Number 6094
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Whereas, I/We,

Name Shingo ISHIGE
Address c/o SHOWA CORPORATION, 112-1, Hagadai, Hagamachi, Haga-gun, TOCHIGI, JAPAN

hereafter referred to as "assignor", have invented certain new and useful improvements in:

(application title) VARIABLE DISPLACEMENT PUMP

- for which an application for a United States Patent was filed on (date) Application Number 1
- for which an application for a United States Patent was executed on (date) 12/18/2006

Whereas,

Name SHOWA CORPORATION
Address 14-1, Fujiwara-cho 1-chome, Gyoda-shi, SAITAMA, JAPAN

hereafter referred to as "assignee" is desirous of acquiring the entire right, title and interest in the same.

Now, therefore, in consideration of good and valuable consideration the receipt whereof is acknowledged, I/We, the assignor(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right, title and interest in and to any and all improvements which are disclosed in the application and the entire right, title and interest in and to any and all United States 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 Patent Cooperation Treaty and the Paris Convention for the Protection of Industrial Property. I/We hereby authorize and request the Commissioner of Patent and Trademarks to issue said United States Patent(s) to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof, and for the use and behoof of his legal representatives, to the full end of the term and any applicable statutes of limitations of enforceability for which said Patent may be granted, as fully and entirely as the same would have been held by applicant had this assignment and sale not been made.

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Date Executed: (date) Dec. 8, 2006 at: (city, state) TOCHIGI, JAPAN

ASSIGNORS(S):

Shingo Ishige
(Shingo ISHIGE)

WITNESSES:

Fumihiko Mizuno
(Fumihiko MIZUNO)

Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below.

* Total of 3 Forms are submitted.

FPOS 111
3/1

ASSIGNMENT

Docket Number 6094

Whereas, I/We,

Name Yoshinobu YAMADA
Address c/o SHOWA CORPORATION, 112-1, Hagadai, Hagamachi, Haga-gun,
TOCHIGI, JAPAN

hereafter referred to as "assignor", have invented certain new and useful improvements in:

(application title) VARIABLE DISPLACEMENT PUMP

- for which an application for a United States Patent was filed on (date) Application Number /
 for which an application for a United States Patent was executed on (date). 12/8/2006

Whereas,

Name SHOWA CORPORATION
Address 14-1, Fujiwara-cho 1-chome, Gyoda-shi, SAITAMA, JAPAN

hereafter referred to as "assignee" is desirous of acquiring the entire right, title and interest in the same.

Now, therefore, in consideration of good and valuable consideration the receipt whereof is acknowledged, I/We, the assignor(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right, title and interest in and to any and all improvements which are disclosed in the application and the entire right, title and interest in and to any and all United States 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 Patent Cooperation Treaty and the Paris Convention for the Protection of Industrial Property. I/We hereby authorize and request the Commissioner of Patent and Trademarks to issue said United States Patent(s) to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term and any applicable statutes of limitations of enforceability for which said Patent may be granted, as fully and entirely as the same would have been held by applicant had this assignment and sale not been made.

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 Executed: (date) Dec. 8, 2006 at: (city, state) TOCHIGI, JAPAN

ASSIGNORS(S): Yoshinobu Yamada
(Yoshinobu YAMADA)

WITNESSES: Fumihiko Mizuno
(Fumihiko MIZUNO)

Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below*.

* Total of 3 Forms are submitted.