

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Ikutomo Umeoka</td><td>12/07/2004</td></tr><tr><td>Makoto Katayama</td><td>12/04/2004</td></tr><tr><td>Junichiro Yabiki</td><td>12/07/2004</td></tr></tbody></table>	Name	Execution Date	Ikutomo Umeoka	12/07/2004	Makoto Katayama	12/04/2004	Junichiro Yabiki	12/07/2004	
Name	Execution Date								
Ikutomo Umeoka	12/07/2004								
Makoto Katayama	12/04/2004								
Junichiro Yabiki	12/07/2004								
RECEIVING PARTY DATA									
Name:	MATSUSHIA ELECTRIC INDUSTRIAL CO., LTD.								
Street Address:	1006, Oaza Kadoma								
City:	Kadoma-shi								
State/Country:	JAPAN								
Postal Code:	571-8501								
PROPERTY NUMBERS Total: 1									
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>10518029</td></tr></tbody></table>	Property Type	Number	Application Number:	10518029					
Property Type	Number								
Application Number:	10518029								
CORRESPONDENCE DATA									
Fax Number:	(202)429-3902								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	202-429-5507								
Email:	djoy@steptoe.com								
Correspondent Name:	Donna Joy c/o Roger Parkhurst								
Address Line 1:	1330 Connecticut Ave., NW								
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20036								
NAME OF SUBMITTER:	Donna Joy								
Total Attachments: 1 source=289512181#page1.tif									

CH \$40.00 10518029

500044397

PATENT
REEL: 016381 FRAME: 0459

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)

(1) <u>Ikutomo UMEOKA</u>	(5) _____
(2) <u>Makoto KATAYAMA</u>	(6) _____
(3) <u>Junichiro YABIKI</u>	(7) _____
(4) _____	(8) _____

In consideration of the sum of dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) Insert name of Assignee (9) MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

(10) Insert address of Assignee (10) 1006, Oaza Kadoma, Kadoma-shi, 571-8501 JAPAN

(hereinafter designated as the Assignee) the entire right, title and interest worldwide, including the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as

(11) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number

(11) METHOD OF CONTROLLING COMPRESSOR AND CONTROLLER

(Case No. 28951.2181)

for which the undersigned executed an application for patent in the United States of America

(12) Insert Date of Signing of Application (12 on December 7, 2004)

(13) Alternative identification for filed applications (13) U.S. application Serial Number 10/518,029

filed December 15, 2004

1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuing or divisional application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, or similar agreements or treaties.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of valid patents to the Assignee in the United States and elsewhere worldwide.

5) The undersigned hereby authorize(s) and request(s) the patent offices or authorities to issue any and all Patents or patent rights resulting from said applications or any continuing or divisional applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

6) The undersigned hereby grant(s) the firm of **PARKHURST & WENDEL, L.L.P.** the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or any other patent office worldwide, for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date <u>December 7, 2004</u>	Name of Inventor <u>Ikutomo Umeoka</u>	Ikutomo UMEOKA	(SEAL)
Date <u>December 7, 2004</u>	Name of Inventor <u>Makoto Katayama</u>	Makoto KATAYAMA	(SEAL)
Date <u>December 7, 2004</u>	Name of Inventor <u>Junichiro Yabiki</u>	Junichiro YABIKI	(SEAL)
Date _____	Name of Inventor _____		(SEAL)
Date _____	Name of Inventor _____		(SEAL)
Date _____	Name of Inventor _____		(SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. or (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date <u>December 7, 2004</u>	Witness <u>Hidetoshi Nishihara</u>	
Date <u>December 7, 2004</u>	Witness <u>Shiro Morita</u>	

PCT International Application No. PCT/JP2004/007297 International Filing Date May 21, 2004