

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
Yasushi YOSHIDA		09/30/2008
Yuji ARINAGA		09/30/2008
RECEIVING PARTY DATA		
Name:	KABUSHIKI KAISHA YASKAWA DENKI	
Street Address:	2-1, Kurosaki-shiroishi, Yahatanishi-ku, Fukuoka	
City:	Kitakyushu-shi	
State/Country:	JAPAN	
Postal Code:	806-0004	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	12293862	
CORRESPONDENCE DATA		
Fax Number:	(202)293-7860	
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>		
Phone:	202-293-7060	
Email:	htominaga@sughrue.com	
Correspondent Name:	SUGHRUE MION PLLC	
Address Line 1:	2100 PENNSYLVANIA AVE. NW	
Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20037-3213	
ATTORNEY DOCKET NUMBER:	Q110200	
NAME OF SUBMITTER:	Darryl Mexic	
Total Attachments: 1		
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PATENT
REEL: 021688 FRAME: 0860

ASSIGNMENT

Whereas, I/we Yasushi YOSHIDA, and
Yuji ARINAGA
all of Fukuoka, Japan

hereinafter called assignor(s), have invented certain improvements in

OPTICAL ENCODER

and executed an application for Letters Patent of the United States of America therefor on

September 30, 2008 and

Whereas, KABUSHIKI KAISHA YASKAWA DENKI
2-1, Kurosaki-shiroishi, Yahatanishi-ku, Kitakyushu-shi Fukuoka 806-0004,
Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. § 119, and I/we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request my/our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses PCT (Application number PCT/JP2007/055247, filed March 15, 2007) the filing date and application number of said application when known.

Date: September 30, 2008 s/

Yasushi Yoshida

Date: September 30, 2008 s/

Yuji Arinaga

Date:

s/

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)