

# PATENT ASSIGNMENT

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Sumiaki NAGANO	07/11/2011
Makoto KOJYO	07/11/2011
Takahiro UCHINO	07/11/2011
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<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	806-0004
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13185513
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<b>Total Attachments: 2</b> source=P5499US_Assignment#page1.tif source=P5499US_Assignment#page2.tif	

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**PATENT**

**501598446**

**REEL: 026610 FRAME: 0650**

Attorney Docket No.:  
Client Docket No.: 10P00390US

### ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I(we) the undersigned, Sumiaki NAGANO of Fukuoka, Japan, Makoto KOJYO of Fukuoka, Japan, and Takahiro UCHINO of Fukuoka, Japan, hereby sell, assign, and transfer to KABUSHIKI KAISHA YASKAWA DENKI, a corporation of Japan, having a principal place of business at 2-1, Kurosaki-Shiroishi, Yahatanishi-ku, Kitakyushu-shi, Fukuoka 806-0004 Japan ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent, entitled:

#### MATRIX CONVERTER

- ☒ which has been executed by the undersigned concurrently herewith,  
☐ which was filed on \_\_\_\_\_ and assigned Serial No. \_\_\_\_\_

and in to said application and all divisional, continuing, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all assignments and powers of attorney; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

**Each Inventor: Please Sign and Date Below:**

July 11, 2011  
Date

永野純明  
Name: Sumiaki NAGANO

**Each Inventor: Please Sign and Date Below:**

July 11, 2011  
Date

古城 真人  
Name: Makoto KOJYO

**Each Inventor: Please Sign and Date Below:**

July 11, 2011  
Date

内野 貴裕  
Name: Takahiro UCHINO