

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>Tadashi OKITA</td> <td>03/01/2012</td> </tr> <tr> <td>Yukio TOYOZAWA</td> <td>03/01/2012</td> </tr> <tr> <td>Kenji TAKAHASHI</td> <td>03/01/2012</td> </tr> </tbody> </table>		Name	Execution Date	Tadashi OKITA	03/01/2012	Yukio TOYOZAWA	03/01/2012	Kenji TAKAHASHI	03/01/2012
Name	Execution Date								
Tadashi OKITA	03/01/2012								
Yukio TOYOZAWA	03/01/2012								
Kenji TAKAHASHI	03/01/2012								
RECEIVING PARTY DATA									
Name:	FANUC CORPORATION								
Street Address:	3580, Shibokusa Aza-Komanba, Oshino-mura								
City:	Minamitsuru-gun, Yamanashi								
State/Country:	JAPAN								
Postal Code:	401-0597								
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>13431020</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13431020				
Property Type	Number								
Application Number:	13431020								
CORRESPONDENCE DATA									
Fax Number:	(703)518-5499								
Phone:	7036841111								
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
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NAME OF SUBMITTER:	Benjamin J. Hauptman								
Total Attachments: 1 source=Assignment#page1.tif									

OP \$40.00 13431020

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter "ASSIGNOR") by

(Insert
ASSIGNEE's
Name(s)
Address(es))

FANUC Corporation

3580, Shibokusa Aza-Komanba, Oshino-mura, Minamitsuru-gun, Yamanashi 401-0597, Japan

(hereinafter "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of
Invention)

DETECTION DEVICE FOR DETECTING MAGNETIC POLE POSITION OF SYNCHRONOUS
MOTOR, AND CONTROL APPARATUS EQUIPPED THEREWITH

relating to International Patent Application PCT/JP _____ / _____ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

Insert date of
execution of
application, if
not concurrent)

(a) executed on _____ :

(b) filed on March 27, 2012

Serial No. 13,431,020 :

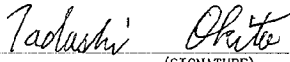
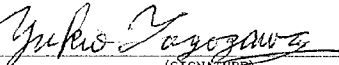

Assignee's attorney is hereby authorized to insert in (b) the specified data, when known

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

1)	 (SIGNATURE)	Tadashi Okita (TYPE NAME)	March 1, 2012 (DATE)
2)	 (SIGNATURE)	Yukio Toyozawa (TYPE NAME)	March 1, 2012 (DATE)
3)	 (SIGNATURE)	Kenji Takahashi (TYPE NAME)	March 1, 2012 (DATE)
4)	_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
5)	_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
6)	_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
7)	_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
8)	_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)

PATENT

RECORDED: 03/27/2012

REEL: 027934 FRAME: 0609