

PATENT ASSIGNMENT

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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>Shinichi HORIKOSHI</td> <td>12/13/2012</td> </tr> <tr> <td>Hiroyasu SATO</td> <td>12/13/2012</td> </tr> <tr> <td>Minoru KOBAYASHI</td> <td>12/13/2012</td> </tr> </tbody> </table>		Name	Execution Date	Shinichi HORIKOSHI	12/13/2012	Hiroyasu SATO	12/13/2012	Minoru KOBAYASHI	12/13/2012		
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<table border="1"> <tr> <td>Name:</td> <td>FANUC CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>3580, Shibokusa Aza-Komanba, Oshino-mura</td> </tr> <tr> <td>City:</td> <td>Minamitsuru-gun, Yamanashi</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>401-0597</td> </tr> </table>		Name:	FANUC CORPORATION	Street Address:	3580, Shibokusa Aza-Komanba, Oshino-mura	City:	Minamitsuru-gun, Yamanashi	State/Country:	JAPAN	Postal Code:	401-0597
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: 7035185499 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 7036841111 Email: bjhgroupp@ipfirm.com Correspondent Name: LOWE HAUPTMAN HAM & BERNER, LLP Address Line 1: 1700 DIAGONAL ROAD Address Line 2: SUITE 300 Address Line 4: ALEXANDRIA, VIRGINIA 22314</p>											
ATTORNEY DOCKET NUMBER:	4639-234										
NAME OF SUBMITTER:	Benjamin J. Hauptman										
Total Attachments: 1 source=Assignment#page1.tif											

OP \$40.00 13746718

PATENT

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

FANUC CORPORATION

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

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)

MOTOR DRIVE APPARATUS EQUIPPED WITH DYNAMIC BRAKING CONTROL UNIT

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 22 Jan 2013

Serial No. 13,746,718

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) <u>Shinichi Horikoshi</u> (SIGNATURE)	Shinichi Horikoshi (TYPE NAME)	December 13, 2012 (DATE)
2) <u>Hiroyasu Sato</u> (SIGNATURE)	Hiroyasu Sato (TYPE NAME)	December 13, 2012 (DATE)
3) <u>Minoru Kobayashi</u> (SIGNATURE)	Minoru Kobayashi (TYPE NAME)	December 13, 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)