PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Yoshihiko IMANAKA	10/09/2012
Hideyuki AMADA	10/09/2012
Fumiaki KUMASAKA	10/09/2012

RECEIVING PARTY DATA

Name:	FUJITSU LIMITED	
Street Address:	1-1, Kamikodanaka 4-chome, Nakahara-ku,	
City:	Kawasaki-shi, Kanagawa	
State/Country:	JAPAN	
Postal Code:	211-8588	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13652717	

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	Mel R. Quintos

Total Attachments: 1

502105355

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PATENT

REEL: 029181 FRAME: 0058

CH \$40.00

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 Name(s) & Address(es) of ASSIGNEE(S))

FUJITSU LIMITED		
1-1, Kamikodanaka 4-chome	e, Nakahara-ku, Kawasaki-shi,	Kanagawa 211-8588 Japan
assigns and transfers to ASSIGNEE th (Title of Invention)	of which is hereby acknowledged, the entire and exclusive right, title and	
relating to International Patent Application the United States was executed on every	tion PCT/JP2011/059159 and/or for en date herewith or, if not so execute	which application for Letters Patent of ed, was:
(a) executed on	concurrent)	execution of application, if not
(b) filed on October 16, 2012 Serial No. 13 / 652,717 Assignee's attorney is heret insert in (b) the specified data, to		attorney is hereby authorized to specified data, when known.
and to said application and all Letters is continuation, division, renewal, substituterms for which the said Letters Patent hereinafter, "said application(s) and Le	ute, reissue or reexamination application in the distribution of the granted and including an atters Patent(s)").	ation based thereon, for the full term or by extensions thereof (collectively,
ASSIGNEE, to do all acts which the Asmaintaining and enforcing protection for application(s) and the issuance of said proceeding, and in any litigation or other	SSIGNEE may deem necessary, des or sald invention, including in the pre Letters Patent(s), in any interference er legal proceeding which may arise cuting all papers, including separate	paration and prosecution of said e, reissue, reexamination, or public use or be declared in relation to same, such assignments and declarations, taking all
IN WITNESS WHEREOF, the unde	ersigned inventor(s) has (have) affixe	ed his/her/their signature(s).
1) J. Junana Da (Signature)	Yoshihiko IMANAKA (Type Name)	Oct. 9. 20/2
2) H. amorta	Hideyuki AMADA (Type Name)	0 + 9 20/2 (Date)
3) F . wm legk F.K. Kur	masuka Fumiaki KUMASAKA	Oct. 9, 2012
(Signature) 4)	(Type Name)	(Date)
(Signature)	(Type Name)	(Date)

1/1

PATENT REEL: 029181 FRAME: 0059