# 502356884 05/22/2013

#### PATENT ASSIGNMENT

### Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

#### **CONVEYING PARTY DATA**

Name	Execution Date
Daisuke NINOMIYA	03/29/2013
Masahiro HIGUCHI	04/01/2013
Yutaka KOYAMA	04/01/2013
Masaki NISHIGAKI	04/01/2013
Ryo MATSUMURA	04/03/2013
Toshirou ONO	03/29/2013
Takaki OZAWA	04/01/2013
Junji KAWAI	04/04/2013

#### **RECEIVING PARTY DATA**

Name:	FUJITSU LIMITED	
Street Address:	treet 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
Applicati	ion Number:	13899878

### **CORRESPONDENCE DATA**

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Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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ATTORNEY DOCKET NUMBER: 416388US8

502356884 PATENT
REEL: 030467 FRAME: 0266

P \$40.00 138998

NAME OF SUBMITTER:	Alva T. Worden
Signature:	/Alva T. Worden/
Date:	05/22/2013
Total Attachments: 16 source=416388USASSIGN#page1.tif source=416388USASSIGN#page2.tif source=416388USASSIGN#page3.tif source=416388USASSIGN#page4.tif source=416388USASSIGN#page5.tif source=416388USASSIGN#page6.tif source=416388USASSIGN#page7.tif source=416388USASSIGN#page8.tif source=416388USASSIGN#page9.tif source=416388USASSIGN#page10.tif source=416388USASSIGN#page11.tif source=416388USASSIGN#page12.tif source=416388USASSIGN#page13.tif source=416388USASSIGN#page14.tif source=416388USASSIGN#page15.tif source=416388USASSIGN#page15.tif source=416388USASSIGN#page15.tif	

PATENT REEL: 030467 FRAME: 0267

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,	Nakahara-ku, ł	Kawasaki-shi,	Kanagawa 211-8588 Japan
assig (Title	einafter, "ASSIGNEE"), the receipt o gns and transfers to ASSIGNEE the e of Invention) CODE PROCESSING TECHI	entire and exclusi	cknowledged, the	a undersigned ASSIGNOR hereby sells, Interest to the invention entitled
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relat	ing to International Patent Applications United States was executed on e	on PCT/JP/_ven date herewith	and/or or, if not so exec	r for which application for Letters Patent uted, was:
	executed on			xecution of application, if not
(b)	filed on		Assignee's a Insert in (b) the	ttorney is hereby authorized to specified data, when known.
con	to said application and all Letters P tinuation, division, renewal, substitu ns for which the said Letters Patent einafter, "said application(s) and Let	ite, reissue or reex (s) mav be granted	amination applica	HION Dased (Hereon, for the function of
ASS mai app pro-	SIGNEE, to do all acts which the AS intaining and enforcing protection fo ilication(s) and the issuance of said	SSIGNEE may dee or said invention, in Letters Patent(s), er legal proceeding cuting all papers. In	m necessary, de cluding in the pre in any interferend which may arise icluding 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	rsigned inventor(s)	) has (have) affix	ed his/her/their signature(s).
1)	Dalsuke Ninomiva	Dalsuke N	NINOMIYA	Mar, 29, 2013 (Date)
٠,	Daisuke Hinomiya (Signature)	(Type N	Vame)	(Date)
2)		Masahiro	HIGUCHI	
	( Signature)	(Туре Г	Vame)	(Date)
3)		Yutaka I	KOYAMA	
•	( Signature)	(Туре І	Vame)	(Date)
4)			IISHIGAKI	
,	( Signature)	(Туре і	Vame)	(Date)

5)		Ryo MATSUMURA	
	( Signature)	(Type Name)	(Date)
6)		Toshirou ONO	
	( Signature)	(Type Name)	(Dale)
7)		Takaki OZAWA	
	( Signature)	(Type Name)	(Date)
8)		Junji KAWAI	
	( Signature)	(Type Name)	(Date)

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FUJITSU LIMITED 1-1, Kamikodanaka 4-chom	ne, Nakahara-ku, Kawasaki-shi, l	Kanagawa 211-8588 Japan
(hereinafter, "ASSIGNEE"), the receip assigns and transfers to ASSIGNEE ( (Title of Invention) CODE PROCESSING TEC	the entire and exclusive right, title and	e undersigned ASSIGNOR hereby sells, Interest to the Invention entitled
relating to International Patent Applic	ation PCT/JP / and/or	for which application for Letters Patent lated, was:
(a) executed on		xecution of application, if not
(b) filed on	Assignee's a	ttorney is hereby authorized to specified data, when known.
continuation, division, renewal, subst terms for which the said Letters Pate hereinafter, "said application(s) and I	int(s) may be granted and including an Letters Patent(s)"). requested by said ASSIGNEE and with	ition based thereon, for the full term or y extensions thereof (collectively, out charge to but at the expense of sake
ASSIGNEE, to do all acts which the maintaining and enforcing protection application(s) and the Issuance of sa proceeding, and in any litigation or or extension of the include but not be limited to expense.	ASSIGNEE may deem necessary, des for said invention, including in the pre aid Letters Patent(s), in any interference ther legal proceeding which may arise	sirable or expedient, for securing, paration and prosecution of sald e, reissue, reexamination, or public use or be declared in relation to same, such assignments and declarations, taking al
IN WITNESS WHEREOF, the un	dersigned inventor(s) has (have) affixe	ed his/her/their signature(s).
1)	Daisuke NINOMIYA	
( Signature)	(Type Name)	(Date)
2) Masahito Higuchi (Signature)	Masahiro HIGUCHI	April 1, 2013 (Date)
( Signature)	(Type Name)	(Date)
3)	Yutaka KOYAMA	
( Signature)	(Type Name)	(Date)
4)	Masaki NISHIGAKI	
( Signature)	(Type Name)	(Date)

5)		Ryo MATSUMURA	
	( Signature)	(Type Name)	(Date)
6)		Toshirou ONO	
	( Signature)	(Type Name)	(Date)
7)		Takaki OZAWA	
	( Signature)	(Type Name)	(Date)
8)		Junji KAWAI	
·	( Signature)	(Type Name)	(Date)

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FUJITSU LIMITED		
1-1, Kamikodanaka 4-chome,	Nakahara-ku, Ka	wasaki-shi, Kanagawa 211-8588 Japan
(hereinafter, "ASSIGNEE"), the receipt o assigns and transfers to ASSIGNEE the (Title of Invention)  CODE PROCESSING TECH!	entire and exclusive	nowledged, the undersigned ASSIGNOR hereby sells right, title and interest to the invention entitled
relating to International Patent Application of the United States was executed on every second or every second	on PCT/JP/_ ven date herewith or,	and/or for which application for Letters Patent if not so executed, was:
(a) executed on	; (# cc	nsert date of execution of application, if not oncurrent)
(b) filed on		Assignee's attorney is hereby authorized to sert in (b) the specified data, when known
continuation, division, renewal, substituterms for which the said Letters Patent(hereinafter, "said application(s) and Let  The ASSIGNOR agree(s), when req ASSIGNEE, to do all acts which the AS maintaining and enforcing protection for application(s) and the issuance of said	te, reissue or reexam s) may be granted an ters Patent(s)").  uested by said ASSIG SIGNEE may deem result invention, incluing the legal proceeding who the sting all papers, incluing all papers, incl	States granted on said application and any ination application based thereon, for the full term or d including any extensions thereof (collectively, SNEE and without charge to but at the expense of said necessary, desirable or expedient, for securing, ding in the preparation and prosecution of said any interference, reissue, reexamination, or public use hich may arise or be declared in relation to same, such ding separate assignments and declarations, taking a producing evidence.
IN WITNESS WHEREOF, the under	rsigned inventor(s) ha	is (have) affixed his/her/their signature(s).
1)	Daisuke NIN	
( Signature)	(Type Nan	
2) (Signature)	Masahiro Hi	(Date)
(Signature)	Yutaka KO	1 2212
3) <u>Yutsha Koyama</u> (Signature)	(Type Nar	ne) (Date)
4\	Masaki NISI	
( Signature)	(Type Nar	ne) (Date)

5)		Ryo MATSUMURA				
	( Signature)	(Type Name)	(Date)			
6)		Toshirou ONO				
· <del></del>	( Signature)	(Type Name)	(Date)			
7)		Takaki OZAWA				
	( Signature)	(Type Name)	(Date)			
8)		Junji KAWAI				
	( Signature)	(Type Name)	(Date)			

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	JJITSU LIMITED 1, Kamikodanaka 4-chome,	Nakahara-ku,	Kawasaki-shi, K	anagawa 211-8588 Japan
assign (Title o	nafter, "ASSIGNEE"), the receipt of s and transfers to ASSIGNEE the of Invention)	entire and exclus	ive right, title and ir	undersigned ASSIGNOR hereby sells nterest to the invention entitled
relating	g to International Patent Applicatio United States was executed on ev	on PCT/JP/_ ven date herewith	and/or f	or which application for Letters Paten ed, was:
(a) 6	executed on	;	(insert date of ex-	ecution of application, if not
	iled on		Assignee's att insert in (b) the s	orney is hereby authorized to pecified data, when known.
continuterms herein The ASSIG mainta applic procee acts to rightfu	for which the said Letters Patent(s after, "said application(s) and Letter e ASSIGNOR agree(s), when requences annumber to do all acts which the ASS aining and enforcing protection for atton(s) and the issuance of said te eding, and in any litigation or other or include but not be limited to execu- al oaths, providing sworn testimony	e, reissue or reex s) may be granted ters Patent(s)"). tested by said AS SIGNEE may deer said invention, in Letters Patent(s), r legal proceeding uting all papers, ir y, and obtaining a	amination application and including any SIGNEE and without mecessary, designation any interference which may arise outling separate and producing evide	on based thereon, for the full term or extensions thereof (collectively, ut charge to but at the expense of sair rable or expedient, for securing, aration and prosecution of said, reissue, reexamination, or public user be declared in relation to same, suc ssignments and declarations, taking a since.
IN	WITNESS WHEREOF, the under			his/her/their signature(s).
1)	( Signature)	Daisuke I	VINOMIYA	(Date)
2)	( Signatur <del>o</del> )	,	HIGUCHI	(24.0)
2)	( Signature)	(Type I		(Date)
3)		Yutaka l	KOYAMA	
<i>'</i> —	( Signature)	(Туре І	Vame)	(Date)
4)	而想雅樹		IISHIGAKI	Apr.01, 2013 (Date)
	( Signature)	(Туре і	Vame)	(Date)

5)		Ryo MATSUMURA	
	( Signature)	(Type Name)	(Date)
6)		Toshirou ONO	
·	( Signature)	(Type Name)	(Date)
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FUJITSU LIMITED  1-1, Kamikodanaka 4-cho	me, Nakahara-ku, Kawasaki-shi, Kana	ngawa 211-8588 Japan
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(hereinafter, "ASSIGNEE"), the rece assigns and transfers to ASSIGNEE (Title of Invention)	eipt of which is hereby acknowledged, the unde E the entire and exclusive right, title and intere	ersigned ASSIGNOR hereby sells st to the invention entitled
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relating to International Patent Appl of the United States was executed	lication PCT/JP/and/or for woneven date herewith or, if not so executed, where we have a second or the second of the second	hich application for Letters Patent was:
(a) executed on	; (Insert date of execut concurrent)	ion of application, if not
(b) filed on	Assignee's attorne	y is hereby authorized to fied data, when known.
continuation division renewal sub	ers Patent(s) of the United States granted on so ostitute, reissue or reexamination application b atent(s) may be granted and including any exte d Letters Patent(s)").	ased thereon, for the full term of
ASSIGNEE, to do all acts which th maintaining and enforcing protection application(s) and the issuance of proceeding, and in any litigation or acts to include but not be limited to	n requested by said ASSIGNEE and without cle ASSIGNEE may deem necessary, desirable on for said invention, including in the preparati said Letters Patent(s), in any interference, reis other legal proceeding which may arise or be executing all papers, including separate assignimony, and obtaining and producing evidence	or expedient, for securing, on and prosecution of said ssue, reexamination, or public use declared in relation to same, such nments and declarations, taking a
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1)	Daisuke NINOMIYA	
( Signature)	(Type Name)	(Date)
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( Signature)	(Type Name)	(Date)
3)	Yutaka KOYAMA	
( Signature)	(Type Name)	(Date)
4)	Masaki NISHIGAKI	
( Signature)	(Type Name)	(Date)

5)	Ryo mateumera	Ryo MATSUMURA	Apr. 3, 2013
	( Signature)	(Type Name)	(Date)
6)		Toshirou ONO	
•	( Signature)	(Type Name)	(Date)
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	ersigned inventor(s) has (have) affixed	a nis/ner/meir signature(s).
1) ( Signature)	Daisuke NINOMIYA (Type Name)	(Date)
, ,	Masahiro HIGUCHI	f = \
2) (Signature)	(Type Name)	(Date)
3)	Yutaka KOYAMA	•
( Signature)	(Type Name)	(Date)
4)	Masaki NISHIGAKI	
( Signature)	(Туре Name)	(Date)

5)		Ryo MATSUMURA	
-	( Signature)	(Type Name)	(Date)
6)	Toshirou Ono	Toshirou ONO	March 29, 2013
_	( Signature)	(Type Name)	(Date)
7)		Takaki OZAWA	
_	( Signature)	(Type Name)	(Date)
8)		. Junji KAWAI	
-	( Slanature)	(Type Name)	(Date)

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1)	Daisuke NINOMIYA	·
( Signature)	(Type Name)	(Date)
2)	Masahiro HIGUCHI	
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•		

5)		Ryo MATSUMURA	
•	( Signature)	(Type Name)	(Date)
6)		Toshirou ONO	
•	( Signature)	(Type Name)	(Date)
7)	Zakaki Ozawa (Signature)	Takaki OZAWA	APRIL 1,2013
•	( Signature)	(Type Name)	(Date)
8)		Junji KAWAI	
•	( Signature)	(Type Name)	(Date)

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	IJITSU LIMITED			
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•	DDE PROCESSING TECH	INIQUE		
relating of the U	to International Patent Applicat Inited States was executed on e	ion PCT/JP/_ even date herewith	and/or for or, if not so executed	which application for Letters Patent , was:
(a) e	xecuted on	i	(Insert date of execu	ution of application, if not
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continu terms f	said application and all Letters I lation, division, renewal, substitt or which the said Letters Patent after, "said application(s) and Le	ute, reissue or reex t(s) may be granted	amination application	based thereon, for the full term or
ASSIG mainta applica procee	NEE, to do all acts which the Alining and enforcing protection for ation(s) and the issuance of said ding, and in any literation or other.	SSIGNEE may dee or said invention, in I Letters Patent(s), er legal proceeding cuting all papers, in	em necessary, desirab actuding in the prepara in any interference, re y which may arise or b actuding separate assi	ition and prosecution of said plasue, reexamination, or public use e declared in relation to same, sucl gnments and declarations, taking a
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1)		Daisuke i	AYIMONIV	
	( Signature)	(Туре І	Vame)	(Date)
2)		Masahiro	HIGUCHI	
<i>'</i> —	( Signature)	(Туре і	Name)	(Date)
3)		Yutaka	KOYAMA	
<i>'</i> —	( Signature)	(Туре	Name)	(Date)
4)		Masaki N	NSHIGAKI	
·′ —	( Signature)	(Туре	Name)	(Date)

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6)		Toshirou ONO	
-	( Signature)	(Type Name)	(Date)
7)		Takaki OZAWA	
_	( Signature)	(Type Name)	(Date)
8)	Junji Kamai	Junji KAWAI	Apr. 4, 20/3
-	( Signature)	(Type Name)	(Date)