

## 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>Tatsuo KUMANO</td> <td>03/06/2013</td> </tr> <tr> <td>Yasuo NOGUCHI</td> <td>03/04/2013</td> </tr> <tr> <td>Munenori MAEDA</td> <td>03/06/2013</td> </tr> <tr> <td>Masahisa TAMURA</td> <td>02/28/2013</td> </tr> <tr> <td>Ken IIZAWA</td> <td>03/01/2013</td> </tr> <tr> <td>Toshihiro OZAWA</td> <td>03/05/2013</td> </tr> <tr> <td>Jun KATO</td> <td>03/04/2013</td> </tr> <tr> <td>Kazuichi OE</td> <td>02/27/2013</td> </tr> <tr> <td>Kazutaka OGIHARA</td> <td>02/22/2013</td> </tr> </tbody> </table>		Name	Execution Date	Tatsuo KUMANO	03/06/2013	Yasuo NOGUCHI	03/04/2013	Munenori MAEDA	03/06/2013	Masahisa TAMURA	02/28/2013	Ken IIZAWA	03/01/2013	Toshihiro OZAWA	03/05/2013	Jun KATO	03/04/2013	Kazuichi OE	02/27/2013	Kazutaka OGIHARA	02/22/2013
Name	Execution Date																				
Tatsuo KUMANO	03/06/2013																				
Yasuo NOGUCHI	03/04/2013																				
Munenori MAEDA	03/06/2013																				
Masahisa TAMURA	02/28/2013																				
Ken IIZAWA	03/01/2013																				
Toshihiro OZAWA	03/05/2013																				
Jun KATO	03/04/2013																				
Kazuichi OE	02/27/2013																				
Kazutaka OGIHARA	02/22/2013																				
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																					
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13798303</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13798303																
Property Type	Number																				
Application Number:	13798303																				
CORRESPONDENCE DATA																					
Fax Number:	7035358420																				
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																					
Phone:	703-535-3960																				
Email:	assignments@system.foundationip.com																				
Correspondent Name:	Fujitsu Patent Center																				
Address Line 1:	2318 Mill Road																				
Address Line 4:	Alexandria, VIRGINIA 22314																				

CH \$40.00 13798303

ATTORNEY DOCKET NUMBER:	11-52653
NAME OF SUBMITTER:	Tiep H Nguyen
<b>Total Attachments: 10</b> source=11-52653_ASN_00#page1.tif source=11-52653_ASN_00#page2.tif source=11-52653_ASN_00#page3.tif source=11-52653_ASN_00#page4.tif source=11-52653_ASN_00#page5.tif source=11-52653_ASN_00#page6.tif source=11-52653_ASN_00#page7.tif source=11-52653_ASN_00#page8.tif source=11-52653_ASN_00#page9.tif source=11-52653_ASN_00#page10.tif	

## 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, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 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)*

NODE APPARATUS OF MULTI-NODE STORAGE SYSTEM AND METHOD FOR MANAGING PROCESSING SPEED

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

(a) executed on \_\_\_\_\_; *(Insert date of execution of application, if not concurrent)*

(b) filed on March 13, 2013

Serial No. 13 / 798, 303;

*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).

1) <u>Tatsuo KUMANO</u> <i>(Signature)</i>	<u>Tatsuo KUMANO</u> <i>(Type Name)</i>	<u>2013-03-06</u> <i>(Date)</i>
2) _____ <i>(Signature)</i>	<u>Yasuo NOGUCHI</u> <i>(Type Name)</i>	_____ <i>(Date)</i>
3) <u>前田 宗則</u> <i>(Signature)</i>	<u>Munenori MAEDA</u> <i>(Type Name)</i>	<u>2013-03-06</u> <i>(Date)</i>
4) _____ <i>(Signature)</i>	<u>Masahisa TAMURA</u> <i>(Type Name)</i>	_____ <i>(Date)</i>

5)	<u>Ken IIZAWA</u> (Signature)	<u>Ken IIZAWA</u> (Type Name)	<u>3-1-2013</u> (Date)
6)	<u></u> (Signature)	<u>Toshihiro OZAWA</u> (Type Name)	<u></u> (Date)
7)	<u></u> (Signature)	<u>Jun KATO</u> (Type Name)	<u></u> (Date)
8)	<u></u> (Signature)	<u>Kazuichi OE</u> (Type Name)	<u></u> (Date)
9)	<u></u> (Signature)	<u>Kazutaka OGIHARA</u> (Type Name)	<u></u> (Date)

# 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, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8568 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)

NODE APPARATUS OF MULTI-NODE STORAGE SYSTEM AND METHOD FOR MANAGING PROCESSING SPEED

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:

(a) executed on \_\_\_\_\_; (Insert date of execution of application, if not concurrent)

(b) filed on March 13, 2013

Serial No. 13/798,308

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).

1) _____ (Signature)	Tatsuo KUMANO (Type Name)	_____ (Date)
2) <u>野口 泰生</u> (Signature)	Yasuo NOGUCHI (Type Name)	<u>March 4, 2013</u> (Date)
3) _____ (Signature)	Munenori MAEDA (Type Name)	_____ (Date)
4) _____ (Signature)	Masahisa TAMURA (Type Name)	_____ (Date)

5)	_____	Ken IIZAWA	_____
	(Signature)	(Type Name)	(Date)
6)	Toshihiro Ozawa	Toshihiro OZAWA	2013/03/05
	(Signature)	(Type Name)	(Date)
7)	_____	Jun KATO	_____
	(Signature)	(Type Name)	(Date)
8)	_____	Kazuichi OE	_____
	(Signature)	(Type Name)	(Date)
9)	_____	Kazutaka OGIHARA	_____
	(Signature)	(Type Name)	(Date)

# 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, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 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)

NODE APPARATUS OF MULTI-NODE STORAGE SYSTEM AND METHOD FOR MANAGING  
PROCESSING SPEED

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:

(a) executed on \_\_\_\_\_; (Insert date of execution of application, if not concurrent)

(b) filed on March 13, 2013

Serial No. 13/798,308

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).

1)	_____ (Signature)	Tatsuo KUMANO (Type Name)	_____ (Date)
2)	_____ (Signature)	Yasuo NOGUCHI (Type Name)	_____ (Date)
3)	_____ (Signature)	Munenori MAEDA (Type Name)	_____ (Date)
4)	<u>田村 雅寿</u> (Signature)	Masahisa TAMURA (Type Name)	<u>2013/02/28</u> (Date)

5)	_____	Ken IIZAWA	_____
	(Signature)	(Type Name)	(Date)
6)	_____	Toshihiro OZAWA	_____
	(Signature)	(Type Name)	(Date)
7)	Jun KATO	Jun KATO	Mar. 4, 2013
	(Signature)	(Type Name)	(Date)
8)	_____	Kazuichi OE	_____
	(Signature)	(Type Name)	(Date)
9)	_____	Kazutaka OGIHARA	_____
	(Signature)	(Type Name)	(Date)



## 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, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 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)

NODE APPARATUS OF MULTI-NODE STORAGE SYSTEM AND METHOD FOR MANAGING PROCESSING SPEED

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:

(a) executed on \_\_\_\_\_; (Insert date of execution of application, if not concurrent)

(b) filed on March 13, 2013,

Serial No. 13/798,308;

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).

1) _____ (Signature)	Tatsuo KUMANO (Type Name)	_____ (Date)
2) _____ (Signature)	Yasuo NOGUCHI (Type Name)	_____ (Date)
3) _____ (Signature)	Munenori MAEDA (Type Name)	_____ (Date)
4) _____ (Signature)	Masahisa TAMURA (Type Name)	_____ (Date)

5)	_____	Ken IIZAWA	_____
	(Signature)	(Type Name)	(Date)
6)	_____	Toshihiro OZAWA	_____
	(Signature)	(Type Name)	(Date)
7)	_____	Jun KATO	_____
	(Signature)	(Type Name)	(Date)
8)	大 江 和 一	Kazuichi OE	2013-02-27
	(Signature)	(Type Name)	(Date)
9)	_____	Kazutaka OGIHARA	_____
	(Signature)	(Type Name)	(Date)

# 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, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 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)

NODE APPARATUS OF MULTI-NODE STORAGE SYSTEM AND METHOD FOR MANAGING PROCESSING SPEED

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:

(a) executed on \_\_\_\_\_; (Insert date of execution of application, if not concurrent)

(b) filed on March 13, 2013

Serial No. 13/ 798, 308

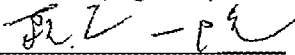
Assignee's attorney is hereby authorized to insert in (b) the specified data, when known.

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).

1)	_____	Tatsuo KUMANO	_____
	(Signature)	(Type Name)	(Date)
2)	_____	Yasuo NOGUCHI	_____
	(Signature)	(Type Name)	(Date)
3)	_____	Munenori MAEDA	_____
	(Signature)	(Type Name)	(Date)
4)	_____	Masahisa TAMURA	_____
	(Signature)	(Type Name)	(Date)

5)	_____	Ken IIZAWA	_____
	(Signature)	(Type Name)	(Date)
6)	_____	Toshihiro OZAWA	_____
	(Signature)	(Type Name)	(Date)
7)	_____	Jun KATO	_____
	(Signature)	(Type Name)	(Date)
8)	_____	Kazuichi OE	_____
	(Signature)	(Type Name)	(Date)
9)		Kazutaka OGIHARA	2013 - Feb - 22
	(Signature)	(Type Name)	(Date)