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To the Director of the U.S. Patent and Trade



ent.

1. Name of conveying parties:

103548226

Ling LIU  
Zhenning TAO  
Takahito TANIMURA

2. Name and Address of receiving party:

**FUJITSU LIMITED**  
1-1, Kamikodanaka 4-chome  
Nakahara-ku, Kawasaki-shi  
Kanagawa 211-8588, Japan

3. Nature of conveyance:

☒ Assignment (2 sets enclosed) ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other: \_\_\_\_\_

Execution Date(s): November 6, 2008; November 6, 2008; and January 19, 2009 respectively

4. Application number(s) or patent number(s):

☒ This document is being filed together with a new application.  
☐ This document is being filed after filing of the application:

5. Name and address of party to whom correspondence concerning document should be mailed:

STAAS & HALSEY LLP Our Docket: 1804.1023  
Attention: H. J. Staas  
1201 New York Ave., N.W., Suite 700  
Washington, D.C. 20005

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)..... (\$ 40.00 per Patent or Application in Assignment)

☒ Enclosed  
☐ Authorized to be charged to deposit account.

8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)

H. J. Staas, Reg. No. 22,010  
Name of Person Signing

  
Signature

February 4, 2009  
Date

Total number of pages including cover sheet: 3

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# U.S. ASSIGNMENT

SAH 100

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)

## FILTER COEFFICIENT CHANGING APPARATUS AND METHOD

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 ,

Serial No. To be Assigned;

Any registered attorney of STAAS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) 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).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1) <u>Liu, Ling</u> Ling LIU	<u>Nov. 6, 2008</u>	<u>Huijian Zhang</u> <u>Huijian Zhang</u>
2) <u>Zhenning Tao</u> Zhenning TAO	<u>2008/11/6</u>	<u>Huijian Zhang</u> <u>Huijian Zhang</u>
3) <u>Takahito TANIMURA</u>		
4) _____		
5) _____		
6) _____		
7) _____		

PATENT

REEL: 022270 FRAME: 0912

# U.S. ASSIGNMENT

SAF 1/00

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)

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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)

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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)").

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

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1)	Ling LIU		
2)	Zhenning TAO		
3)	<i>Takahito Tanimura</i> Takahito TANIMURA	Jan. 19, 2009	<i>T. Wada</i> Toshikazu Wada
4)			
5)			
6)			
7)			

PATENT

RECORDED: 02/04/2009

REEL: 022270 FRAME: 0913