

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>Hisakatsu YAMAGUCHI</td><td>05/31/2009</td></tr><tr><td>Shunichiro MASAKI</td><td>06/02/2009</td></tr><tr><td>Hideki ISHIDA</td><td>06/02/2009</td></tr><tr><td>Kohtaroh GOTOH</td><td>06/08/2009</td></tr></tbody></table>		Name	Execution Date	Hisakatsu YAMAGUCHI	05/31/2009	Shunichiro MASAKI	06/02/2009	Hideki ISHIDA	06/02/2009	Kohtaroh GOTOH	06/08/2009		
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RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>FUJITSU LIMITED</td></tr><tr><td>Street Address:</td><td>1-1, Kamikodanaka 4-chome,</td></tr><tr><td>Internal Address:</td><td>Nakahara-ku</td></tr><tr><td>City:</td><td>Kawasaki-shi, Kanagawa</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr><tr><td>Postal Code:</td><td>211-8588</td></tr></table>		Name:	FUJITSU LIMITED	Street Address:	1-1, Kamikodanaka 4-chome,	Internal Address:	Nakahara-ku	City:	Kawasaki-shi, Kanagawa	State/Country:	JAPAN	Postal Code:	211-8588
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
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NAME OF SUBMITTER:	Charles M. Marmelstein												

OP \$40.00 12543109

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PATENT
REEL: 023155 FRAME: 0049

Total Attachments: 1
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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

ADAPTIVE EQUALIZER CIRCUIT

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 August 18, 2009

Serial No. 12 / 543,109

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>Hisakatsu Yamaguchi</u> (Signature)	Hisakatsu YAMAGUCHI (Type Name)	May 31, 2009 (Date)
2) <u>Shunichiro Masaki</u> (Signature)	Shunichiro MASAKI (Type Name)	June 2, 2009 (Date)
3) <u>Hideki Ishida</u> (Signature)	Hideki ISHIDA (Type Name)	Jun 2, 2009 (Date)
4) <u>Kohtaroh Gotoh</u> (Signature)	Kohtaroh GOTOH (Type Name)	Jun 8, 2009 (Date)
5) _____ (Signature)	_____ (Type Name)	_____ (Date)