

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>Shawmin Lei</td><td>03/16/2007</td></tr><tr><td>Masayuki Yamaguchi</td><td>05/22/2007</td></tr><tr><td>Akihisa Yamada</td><td>05/23/2007</td></tr><tr><td>Shinichi Maeta</td><td>05/22/2007</td></tr></tbody></table>	Name	Execution Date	Shawmin Lei	03/16/2007	Masayuki Yamaguchi	05/22/2007	Akihisa Yamada	05/23/2007	Shinichi Maeta	05/22/2007	
Name	Execution Date										
Shawmin Lei	03/16/2007										
Masayuki Yamaguchi	05/22/2007										
Akihisa Yamada	05/23/2007										
Shinichi Maeta	05/22/2007										
RECEIVING PARTY DATA											
Name:	Sharp Laboratories of America, Inc.										
Street Address:	5750 NW Pacific Rim Boulevard										
City:	Camas										
State/Country:	WASHINGTON										
Postal Code:	98607										
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>11687553</td></tr></tbody></table>	Property Type	Number	Application Number:	11687553							
Property Type	Number										
Application Number:	11687553										
CORRESPONDENCE DATA											
Fax Number:	(805)584-6427										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	805.579.2500										
Email:	marilyn@brooksiplaw.com										
Correspondent Name:	Michael Blaine Brooks, P.C.										
Address Line 1:	1445 E. Los Angeles Ave., Suite 301Z										
Address Line 4:	Simi Valley, CALIFORNIA 93065-2827										
ATTORNEY DOCKET NUMBER:	SLA2113										
NAME OF SUBMITTER:	Michael Blaine Brooks										
Total Attachments: 6 source=Assignments#page1.tif											

CH 11687553 \$40.00

500283706

PATENT
REEL: 019340 FRAME: 0622

source=Assignments#page2.tif
source=Assignments#page3.tif
source=Assignments#page4.tif
source=Assignments#page5.tif
source=Assignments#page6.tif

ASSIGNMENT

WHEREAS, the undersigned Shawmin Lei, a resident of Camas, WA; Masayuki Yamaguchi, a resident of Kidu-cho, Kidugawa, Kyoto; Akihisa Yamada, a resident of Yoshino-gun,; and Shinichi Maeta, a resident of Ikoma, (hereinafter termed "Inventors") have invented certain new and useful improvements in:

DPCM WITH ADAPTIVE RANGE AND PCM ESCAPE MODE

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention:



Declaration executed on March 16, 2007;

or



Having been previously filed and assigned Serial Number and filing date; and

WHEREAS Sharp Laboratories of America, Inc., a corporation of the State of Washington, (hereinafter termed "Assignee"), having a place of business at 5750 NW Pacific Rim Boulevard, Camas, State of Washington, wishes to acquire the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, certificates of invention and other forms of protection thereon (hereinafter termed "patents") applied for or granted in the United States and/or other countries.

NOW THEREFORE, for good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors hereby sell, assign, transfer and convey unto said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply in any and all countries of the world for patents, certificates of inventions or other government grants on said invention, including the right to apply for patents pursuant to the International Convention for the Protection of Industrial property or pursuant to any other convention, treaty, agreement or understanding; (c)

in and to any and all applications filed and any and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d) in and to each and every reissue or extension of any of said patents; and (e) in and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.

2. Said Inventors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and other countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, executing of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (e) for filing and prosecuting application for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving said invention and any applications therefore and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.
3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, said Inventors' heirs, legal representatives and assigns.
4. Said Inventors hereby warrant and represent that said Inventors have not entered and will not enter into any assignment, contract, or understanding in conflict with this assignment.

IN WITNESS WHEREOF, the said Inventors have executed this Assignment on the date given below:

(1) Shawmin Lei
Shawmin Lei (Signature)

3/16/2007
(Date)

(2) _____
Masayuki Yamaguchi (Signature)

(Date)

(3) _____
Akihisa Yamada (Signature)

(Date)

(4) _____
Shinichi Maeta (Signature)

(Date)

ASSIGNMENT

WHEREAS, the undersigned Shawmin Lei, a resident of Camas, WA; Masayuki Yamaguchi, a resident of Kidu-cho, Kidugawa, Kyoto; Akihisa Yamada, a resident of Yoshino-gun,; and Shinichi Maeta, a resident of Ikoma, (hereinafter termed "Inventors") have invented certain new and useful improvements in:

DPCM WITH ADAPTIVE RANGE AND PCM ESCAPE MODE

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention:

☒ Declaration executed on Yamaguchi & Maeta 05/22/07; Yamada 05/23/07;

or

☐ Having been previously filed and assigned Serial Number and filing date; and

WHEREAS Sharp Laboratories of America, Inc., a corporation of the State of Washington, (hereinafter termed "Assignee"), having a place of business at 5750 NW Pacific Rim Boulevard, Camas, State of Washington, wishes to acquire the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, certificates of invention and other forms of protection thereon (hereinafter termed "patents") applied for or granted in the United States and/or other countries.

NOW THEREFORE, for good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors hereby sell, assign, transfer and convey unto said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply in any and all countries of the world for patents, certificates of inventions or other government grants on said invention, including the right to apply for patents pursuant to the International Convention for the Protection of Industrial property or pursuant to any other convention, treaty, agreement or understanding; (c)

in and to any and all applications filed and any and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d) in and to each and every reissue or extension of any of said patents; and (e) in and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.

2. Said Inventors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and other countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, executing of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (e) for filing and prosecuting application for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving said invention and any applications therefore and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.
3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, said Inventors' heirs, legal representatives and assigns.
4. Said Inventors hereby warrant and represent that said Inventors have not entered and will not enter into any assignment, contract, or understanding in conflict with this assignment.

IN WITNESS WHEREOF, the said Inventors have executed this Assignment on the date given below:

(1) _____
Shawmin Lei (Signature)

(Date)

(2) Masayuki Yamaguchi
Masayuki Yamaguchi (Signature)

May 22, 2007
(Date)

(3) Akihisa Yamada
Akihisa Yamada (Signature)

May 23, 2007
(Date)

(4) Shinichi Maeta
Shinichi Maeta (Signature)

May 22, 2007
(Date)