

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Jack H. Chang</td> <td>02/03/2009</td> </tr> <tr> <td>William H. Sheu</td> <td>02/03/2009</td> </tr> <tr> <td>Sherman Tuan</td> <td>02/03/2009</td> </tr> </tbody> </table>		Name	Execution Date	Jack H. Chang	02/03/2009	William H. Sheu	02/03/2009	Sherman Tuan	02/03/2009
Name	Execution Date								
Jack H. Chang	02/03/2009								
William H. Sheu	02/03/2009								
Sherman Tuan	02/03/2009								
RECEIVING PARTY DATA									
Name:	PurpleComm Inc.								
Street Address:	2620 Augustine Drive								
Internal Address:	Suite 100								
City:	Santa Clara								
State/Country:	CALIFORNIA								
Postal Code:	95054-2908								
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>13846147</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13846147				
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Application Number:	13846147								
CORRESPONDENCE DATA									
Fax Number:	8777697945								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	(202) 783-5070								
Email:	apsi@fr.com								
Correspondent Name:	Jeremy J. Monaldo								
Address Line 1:	FISH & RICHARDSON P.C.								
Address Line 2:	P.O.BOX 1022								
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022								
ATTORNEY DOCKET NUMBER:	24311-0005002								
NAME OF SUBMITTER:	Arlene F. Yates								
Signature:	/Arlene F. Yates/								

CH \$40.00 13846147

PATENT

Date:

06/06/2013

Total Attachments: 3

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ASSIGNMENT

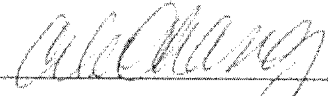
For valuable consideration, we, Jack H. Chang, of 20134 Ljepava Drive Saratoga, CA 95070; William H. Sheu, of 628 Festivo Court Fremont, CA 94539; and Sherman Tuan, of 20706 Kirwin Lane, Cupertino, CA 95014; hereby assign to PURPLECOMM INC., a corporation of California, having a place of business at 2620 Augustine Drive, Suite 100, Santa Clara, CA 95054-2908, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled META CHANNEL NETWORK-BASED CONTENT DOWNLOAD TECHNOLOGY, filed February 5, 2009, and assigned 12/366,350, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents (including continuation and divisional applications), utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

DATE: Feb. 3, 2009



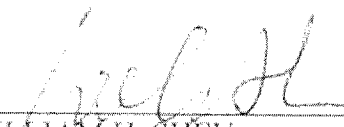
JACK H. CHANG

Feb 3, 2009
Date

WITNESS: 

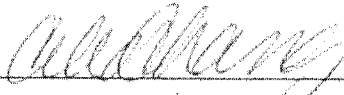
Printed Name: CELIA CHANG
Address: 2620 Augustine Dr. Ste 100
Santa Clara, CA 95054

DATE: Feb. 3, 2009



WILLIAM H. SHEU

Feb 3, 2009
Date

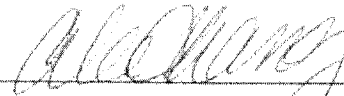
WITNESS: 

Printed Name: CELIA CHANG
Address: 2620 Augustine Dr. Ste 100
Santa Clara, CA 95054

DATE: Feb. 3, 2009


SHERMAN TUAN

Feb. 3, 2009
Date

WITNESS: 
Printed Name: CELIA CHANG
Address: 2620 Augustine Dr, Ste 100
Santa Clara, CA 95054