

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2987369

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	SWARMCAST, INC.	01/03/2012
RECEIVING PARTY DATA		
Name:	GOOGLE INC.	
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PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14148344
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DATE SIGNED:	08/19/2014	
Total Attachments: 4		
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EXHIBIT A
LISTED PATENTS

Patent No.	Application No.	Country	Title
(provisional)	60/258,981	United States	Apparatus, method, and system for an acknowledgement independent equalized data packet transfer mechanism over a peer to peer network
7277950	10/033,305	United States	PACKET TRANSFER MECHANISM OVER A PEER TO PEER NETWORK
7831718	11/861,774	United States	RATE SENSITIVE PACKET TRANSFER MECHANISM OVER A PEER-TO-PEER NETWORK
(pending)	12/901,283	United States	RATE SENSITIVE PACKET TRANSFER MECHANISM OVER A PEER-TO-PEER NETWORK
(provisional)	60/451,295	United States	Parallel data transfer over multiple channels with data order prioritization
7555559	10/788,695	United States	PARALLEL DATA TRANSFER OVER MULTIPLE CHANNELS WITH DATA ORDER PRIORITIZATION
(pending)	12/490,128	United States	PARALLEL DATA TRANSFER OVER MULTIPLE CHANNELS WITH DATA ORDER PRIORITIZATION
(provisional)	60/868,446	United States	AUTOMATIC CONFIGURATION OF EMBEDDED MEDIA PLAYER
(pending)	11/999,262	United States	Automatic configuration of embedded media player
(expired)	PCT/US07/24791	International	AUTOMATIC CONFIGURATION OF EMBEDDED MEDIA PLAYER
(provisional)	60/992,471	United States	DYNAMIC BIT RATE SCALING
(provisional)	60/981,164	United States	MEDIA PLAYBACK POINT SEEKING USING DATA RANGE REQUESTS
(provisional)	60/994,347	United States	Media player plug-in installation techniques
(provisional)	60/964,010	United States	Installation of media player plug-in upon detection of playback stall
7788398	12/187,472	United States	MEDIA PLAYER PLUG-IN INSTALLATION TECHNIQUES
(pending)	12/252,782	United States	MEDIA PLAYBACK POINT SEEKING USING DATA RANGE REQUESTS
(pending)	12/328,139	United States	DYNAMIC BIT RATE SCALING
(expired)	PCT/US08/09489	International	MEDIA PLAYER PLUG-IN INSTALLATION

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			TECHNIQUES
(expired)	PCT/US08/11801	International	MEDIA PLAYBACK POINT SEEKING USING DATA RANGE REQUESTS
(expired)	PCT/US08/13368	International	DYNAMIC BIT RATE SCALING
(provisional)	61/052,459	United States	LIVE MEDIA DELIVERY OVER A PACKET-BASED COMPUTER NETWORK
(provisional)	61/073,542	United States	DYNAMIC MEDIA BIT RATES BASED ON ENTERPRISE DATA TRANSFER POLICIES
7979570	12/463,971	United States	LIVE MEDIA DELIVERY OVER A PACKET-BASED COMPUTER NETWORK
(pending)	12/486,589	United States	DYNAMIC MEDIA BIT RATES BASED ON ENTERPRISE DATA TRANSFER POLICIES
(pending)	13/179,018	United States	LIVE MEDIA DELIVERY OVER A PACKET-BASED COMPUTER NETWORK
(expired)	PCT/US09/43484	International	LIVE MEDIA DELIVERY OVER A PACKET-BASED COMPUTER NETWORK
(expired)	PCT/US09/47680	International	DYNAMIC MEDIA BIT RATES BASED ON ENTERPRISE DATA TRANSFER POLICIES
(provisional)	61/119,854	United States	ADAPTIVE PLAYBACK RATE WITH LOOK-AHEAD
(pending)	12/630,582	United States	ADAPTIVE PLAYBACK RATE WITH LOOK-AHEAD
(expired)	PCT/US09/66613	International	ADAPTIVE PLAYBACK RATE WITH LOOK-AHEAD
(provisional)	61/182,945	United States	DATA RETRIEVAL BASED ON BANDWIDTH COST AND DELAY
(pending)	12/791,555	United States	DATA RETRIEVAL BASED ON BANDWIDTH COST AND DELAY
(expired)	PCT/US10/36889	International	DATA RETRIEVAL BASED ON BANDWIDTH COST AND DELAY
(provisional)	61/285,446	United States	VIDEO DECOMPOSITION AND RECOMPOSITION
(pending)	12/961,986	United States	VIDEO DECOMPOSITION AND RECOMPOSITION
(provisional)	61/240,528	United States	Dynamic Selection of Parameter Sets for Transcoding Media Data
(pending)	12/877,594	United States	Dynamic Selection of Parameter Sets for Transcoding Media Data

EXHIBIT C

ASSIGNMENT OF PATENT RIGHTS

THIS ASSIGNMENT OF PATENT RIGHTS (the "**Assignment**") is executed, acknowledged and delivered by Swarmcast Inc., a British Virgin Islands company, with its principal place of business at OMC Chambers, Wickhams Cay 1, Road Town, Tortola, British Virgin Islands ("**Assignor**"), in accordance with, and pursuant to the terms and conditions of the Patent Purchase Agreement having an Effective Date of October 28, 2011 (the "**Agreement**") between Assignor, as Seller and Google Inc., a Delaware corporation, with its principal place of business at 1600 Amphitheatre Parkway, Mountain View, CA 94043 ("**Assignee**"). Capitalized terms used herein and not expressly defined shall have the meaning ascribed to such terms in the Agreement.

"**Listed Patents**" means the provisional patent applications, patent applications, and patents listed on Exhibit A.

"**Patents**" means, all (a) Listed Patents; (b) patents or patent applications (i) to which any of the Listed Patents claims priority, (ii) for which any of the Listed Patents forms a basis for priority, (iii) that were co-owned applications that incorporate by reference, or are incorporated by reference into, the Listed Patents, and/or (iv) which are subject to a terminal disclaimer with any of the Listed Patents; (c) reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, and registrations of any item in any of the foregoing categories (a) and (b); (d) national (of any country of origin) and multinational patents, patent applications and counterparts relating to any item in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention and utility models; and (e) any items in any of the foregoing categories (b) through (d) whether or not expressly listed as Listed Patents and whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

For good and valuable consideration, the receipt of which is hereby acknowledged, Assignor agrees to and does hereby irrevocably sell, assign, transfer and convey unto said Assignee, and Assignee hereby accepts, all of Assignor's right, title, and interest (i) in and to the Patents, the same to be held and enjoyed by said Assignee for its own use, and for the use of its successors, assigns, or other legal representatives to the end of the term or terms for which said Patents may be granted as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made; (ii) in and to causes of action and enforcement rights for the Patents including all rights to pursue damages, injunctive relief and other remedies for past and future infringement of the Patents; and (iii) to apply in any and all countries for the world for patents; certificates of invention or other governmental grants for the Patents. Assignor also hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents or certificates of invention which may be granted upon any of the Patents in the name of Assignee, as the assignee to the entire interest therein.


Notwithstanding anything to the contrary herein, Assignor is executing and delivering this Assignment in accordance with and subject to all of the terms and provisions of the Agreement. In the event of any conflict between the terms of this Assignment and those of the Agreement, the terms of the Agreement shall be controlling.

This Assignment shall be binding upon and shall inure to the benefit of the parties and their respective successors and assigns.

This Assignment shall be governed by, and construed in accordance with, the laws of the United States in respect to patent issues and in all other respects by the laws of the State of California, without giving effect to the conflict of laws rules thereof.

IN WITNESS WHEREOF, Assignor has caused this Assignment to be executed as of this 3rd day of January 2012.

ASSIGNOR: For and on behalf of
LFDI CORPORATE DIRECTORS LIMITED
Swarmcast Inc.

By: 
Authorized Signature(s)

Name: LFDI Corporate Directors Ltd

Title: Director

NOTARIZATION MUST BE ON THIS PAGE

Subscribed and sworn to before me this 3rd day of January, 2012

CHUNG Pui Lam
Notary Public, Hong Kong S.A.S.
Chung and Kwan, Solicitors
Suites 1601-1606, 16/F., ING Tower,
222 Des Voeux Road Central, Hong Kong

(Notarial Seal)

Signature: 

Notary Public