506708070 06/10/2021

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
CHRISTOPHER BALDWIN	07/26/2012
BRUCE BARNES	07/31/2012
WAYNE ROBERT HEINMILLER	07/30/2012
PATRICK KENNY	08/01/2012
DOLORES J. MALLIAN	07/26/2012

RECEIVING PARTY DATA

Name:	AT&T INTELLECTUAL PROPERTY I, L.P.	
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State/Country:	GEORGIA	
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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	17343979	

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ATTORNEY DOCKET NUMBER: 2011-1051CON3/ATTWP1429UD		
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SIGNATURE:	/Thomas E. Watson/	
ATE SIGNED: 06/10/2021		

PATENT 506708070 REEL: 056497 FRAME: 0863

Total Attachments: 7 source=2011-1051Con3_Assignment#page1.tif source=2011-1051Con3_Assignment#page2.tif source=2011-1051Con3_Assignment#page3.tif source=2011-1051Con3_Assignment#page4.tif source=2011-1051Con3_Assignment#page5.tif source=2011-1051Con3_Assignment#page6.tif source=2011-1051Con3_Assignment#page7.tif

PATENT REEL: 056497 FRAME: 0864

ASSIGNMENT

Serial No: 13/563,218

Filed: July 31, 2012

Title: DISTRIBUTING COMMUNICATION OF A DATA STREAM AMONG

MULTIPLE DEVICES

For good and valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assigns to AT&T INTELLECTUAL PROPERTY I, L.P., a Nevada Partnership, 675 W.

Peachtree St., Suite 4000, Atlanta, GA 30375 (hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States (which may be a Patent Cooperation Treaty international application designating the United States) and in said application and any and all other applications, United States, international and/or foreign, which the undersigned assignor(s) or the Assignee may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and/or foreign countries, which may be obtained on any of said applications, and in any reissue or extension thereof. This assignment includes all rights associated with said application including, without limitation, all patent right(s) in any and all countries and all right(s) to claim priority to and/or from said application in any and all countries. No rights whatsoever are reserved to the undersigned assignor(s) but instead all rights are hereby transferred to the Assignee. This assignment is governed by the Law of the State of Illinois, United States of America.

The undersigned assignor(s) hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned assignor(s) hereby authorizes and requests the attorneys of record in said application to insert in this assignment the execution date and/or filing date and serial number of any such application(s) when officially known.

The undersigned assignor(s) warrants himself/herself to be the owner of the interest herein assigned and to have the right to make this assignment and further warrants that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned.

For said consideration the undersigned assignor(s) hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all international, divisional, continuation, continuation-in-part and substitute applications for said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns, may deem necessary or expedient, and for said consideration the undersigned assignor(s) further agrees upon the request of said assignee, its successors or assigns, in the event of any application or Letters Patent assigned herein becoming involved in Interference, to

cooperate to the best of the ability of the undersigned assignor(s) with said assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned assignor(s) hereby agreeing to perform, upon request, any and all affirmative acts to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in said assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by said assignee, its successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

INVENTOR I

Christopher Baldwin

Date: 7/26/2012

STATE OF Illinou

COUNTY OF CONE

Notary Public:

WITNESS my hand and seal the same day and year last above given.

88.

My Commission Expires:

March 25, 2014

OFFICIAL SEAL
DIANA L HANSEN
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:03/25/14

INVENTOR 2 Bruce Barnes) Xme	Date:	1/31/12
STATE OF TITINOIS			
COUNTY OF COOK	SS		
	acknowledged that he execute	CONCENSE OF THE PART FOR SHORT SHOP GIVES A	Public in and for the County and person whose name is subscribed to is free and voluntary act and for the
Notary Public:	Margard R	pluson	
WITNESS my hand a	nd seal the same day and year	r last above given.	OFFICIAL SEAL MARGARET RUJOHNSON
My Commission Expires:	<u> </u>	p	NOTARY PUBLIC STATE OF ILLINOIS WY COMMISSION EXPRESSIONS/IS

INVENTOR 3

Wayne Robert Heinmiller

Date: 7/30/12

STATE OF

Illimois

COUNTY OF COOK

88.

Notary Public:

WITNESS my hand and seal the same day and year last above given.

My Commission Expires:

"OFFICIAL SEAL"
Patricia Grimaldo
Notary Public, State of Illinois
Cook County

My Commission Expires May 10, 2014

Attorney Docket No. 2011-1051

Date:

Patrick Kenny

STATE OF LUCUS SS.

COUNTY OF Date:

On this day of August , 2012, before me, a Notary Public in and for the County and State aforesaid, appeared Patrick Kenny one personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

Notary Public:

WITNESS my hand and seal the same day and year last above given.

My Commission Expires:

Date: July 36 , 20 '2

STATE OF

COUNTY OF

On this 26 day of 30 , 2012, before me, a Notary Public in and for the County and State aforesaid, appeared Dolores J. Mailian, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

Notary Public:

My Commission Expires:

6-15-16

OFICAL SAL MARGARET R. JOHNSON NOTARY PUBLIC. STATE OF LUNGS MY COMMISSION DOWN STATE OF LUN