

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT3076169

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>			<b>Execution Date</b>
QIAN HUANG			07/25/2000
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	AT&T INTELLECTUAL PROPERTY II, L.P.		
<b>Street Address:</b>	675 W. PEACHTREE STREET		
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<b>State/Country:</b>	GEORGIA		
<b>Postal Code:</b>	30308		
<b>PROPERTY NUMBERS Total: 6</b>			
<b>Property Type</b>	<b>Number</b>		
<b>Application Number:</b>	13169330		
<b>Patent Number:</b>	7809760		
<b>Patent Number:</b>	7970822		
<b>Patent Number:</b>	7599965		
<b>Patent Number:</b>	7506024		
<b>Patent Number:</b>	7185049		
<b>CORRESPONDENCE DATA</b>			
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<b>ATTORNEY DOCKET NUMBER:</b>	2000-0025-CON-4		
<b>NAME OF SUBMITTER:</b>	ANGELA THUMANN		
<b>SIGNATURE:</b>	/Angela Thumann/		
<b>DATE SIGNED:</b>	10/22/2014		
<b>Total Attachments: 7</b>			

PATENT

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ASSIGNMENT AND AGREEMENT

For value received, each of the undersigned, Qian Huang of Ocean in the County of Monmouth County and State of New Jersey, and Atul Puri of Riverdale in the County of Bronx County and State of New York, hereby sells, assigns and transfers to AT&T Corp., a corporation of the State of New York, having an office at 32 Avenue of the Americas, New York, New York 10013-2412, United States of America, and its successors, assignees and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to

**MultimediaIntegration Description Scheme, Method And System For MPEG-7**

described in an application for Letters Patent for the United States of America,

☐ for which an application for a United States Patent was executed on

☒ for which an application for a United States Patent was filed on 02/01/2000 Application Number 09/495175,

and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and the undersigned also concurrently hereby sell, assign and transfer to AT&T Corp. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

The undersigned authorize AT&T Corp. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from the undersigned, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

The undersigned hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of AT&T Corp. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

The undersigned request that any and all patents for said inventions be issued to AT&T Corp. in the United States and in all countries foreign to the United States, or to such nominees as AT&T Corp. may designate.

The undersigned agree that, when requested, the undersigned shall, without charge to AT&T Corp. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Qian Huang  
Qian Huang

Date: 7/25/2000

United States of America )  
~~State of~~ District of Columbia ) ss.:  
~~County of~~ )

On this 25<sup>th</sup> day of July, 2000 before me personally came Qian Huang, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

[Signature]  
Notary Public

My Commission Expires December 14, 2001

AT&T CORP.  
P.O. Box 4110  
Middletown, New Jersey 07748-4110



Atul Puri

Atul Puri

Date: 10/24/2000

United States of America )

State of New Jersey ) ss.:

County of Monmouth )

On this 24 day of October, 2000 before me personally came Atul Puri, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Laura Black

Notary Public

LAURA BLACK  
Notary Public of New Jersey  
My Commission Expires 3/1/2003

AT&T CORP.

P.O. Box 4110

Middletown, New Jersey 07748-4110

## RECORDABLE PATENT ASSIGNMENT

This Recordable Patent Assignment is between AT&T Corp. ("AT&T Corp."), a New York corporation, and AT&T Properties, LLC ("AT&T Properties"), a Nevada limited liability company.

Effective on June 30, 2008, for good and adequate consideration, the receipt and sufficiency of which has been and hereby is acknowledged, AT&T Corp. hereby assigns, transfers, and conveys and/or has assigned, transferred, and conveyed to AT&T Properties all of AT&T Corp.'s right, title and interest in and to the patents and pending patent applications identified on Attachment A (the "Patents"), with respect to which and to the extent to which AT&T Corp. has or previously had the right to so assign, transfer and convey such rights, including all claims for past infringement, and all divisions, reexaminations, reissues, substitutions, continuations, continuations-in-part and extensions thereof, including the right to file applications and obtain patents, utility models, industrial models and designs for said inventions in its own name throughout the world including all rights of priority, all rights to public cautionary notices reserving ownership of said inventions and all rights to claim and register said inventions in appropriate registries. AT&T Corp. has further agreed to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in AT&T Properties, its successors, assigns and legal representatives.

IN WITNESS WHEREOF, AT&T Corp. has caused this Recordable Patent Assignment to be executed by its duly authorized representative.

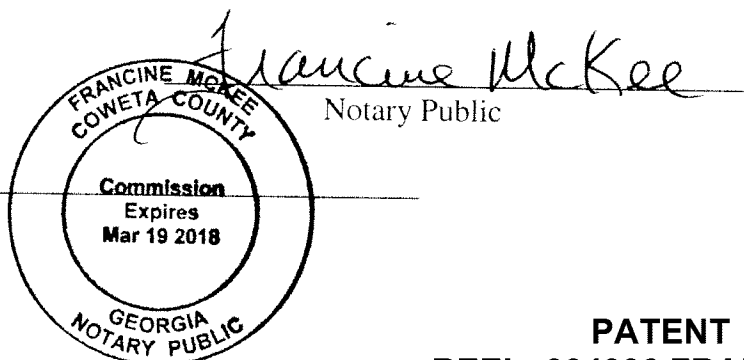
**AT&T CORP.**

By: Jeanette Napp  
Jeanette Napp  
Assistant Secretary

STATE OF GA )  
 ) ss:  
COUNTY OF COWETA )

Before me personally appeared the person described in and who executed the foregoing instrument, and s/he acknowledged to me that s/he executed the same for the purposes therein stated, this 2nd day of September, 2014.

SEAL  
My Commission Expires:



**PATENT**  
**REEL: 034006 FRAME: 0247**

**ATTACHMENT A**

Docket No. 2000-0025-CON-4  
Application No. 13/169,330  
Filing Date June 27, 2011  
Title MULTIMEDIA INTEGRATION DESCRIPTION SCHEME, METHOD  
AND SYSTEM FOR MPEG-7

Docket No. 2000-0025-CON-3  
Application No. 12/559,817  
Patent No. 7,809,760  
Filing Date September 15, 2009  
Issue Date October 5, 2010  
Title MULTIMEDIA INTEGRATION DESCRIPTION SCHEME, METHOD  
AND SYSTEM FOR MPEG-7

Docket No. 2000-0025-CON-2  
Application No. 12/372,052  
Patent No. 7,970,822  
Filing Date February 17, 2009  
Issue Date June 28, 2011  
Title MULTIMEDIA INTEGRATION DESCRIPTION SCHEME, METHOD  
AND SYSTEM FOR MPEG-7

Docket No. 2000-0025-CON-1  
Application No. 11/616,315  
Patent No. 7,599,965  
Filing Date December 27, 2006  
Issue Date October 6, 2009  
Title MULTIMEDIA INTEGRATION DESCRIPTION SCHEME, METHOD  
AND SYSTEM FOR MPEG-7

Docket No. 2000-0025-CON  
Application No. 11/278,671  
Patent No. 7,506,024  
Filing Date April 4, 2006  
Issue Date March 17, 2009  
Title MULTIMEDIA INTEGRATION DESCRIPTION SCHEME, METHOD  
AND SYSTEM FOR MPEG-7

Docket No. 2000-0025  
Application No. 09/495,175  
Patent No. 7,185,049  
Filing Date February 1, 2000  
Issue Date February 27, 2007  
Title MULTIMEDIA INTEGRATION DESCRIPTION SCHEME, METHOD  
AND SYSTEM FOR MPEG-7

## RECORDABLE PATENT ASSIGNMENT

This Recordable Patent Assignment is between AT&T Properties, LLC ("AT&T Properties"), a Nevada limited liability company, and AT&T Intellectual Property II, L.P. ("AT&T IP II"), a Nevada limited partnership.

Effective on June 30, 2008, for good and adequate consideration, the receipt and sufficiency of which has been and hereby is acknowledged, AT&T Properties hereby assigns, transfers, and conveys and/or has assigned, transferred, and conveyed to AT&T IP II all of AT&T Properties' right, title and interest in and to the patents and pending patent applications identified on Attachment A (the "Patents"), with respect to which and to the extent to which AT&T Properties has or previously had the right to so assign, transfer and convey such rights, including all claims for past infringement, and all divisions, reexaminations, reissues, substitutions, continuations, continuations-in-part and extensions thereof, including the right to file applications and obtain patents, utility models, industrial models and designs for said inventions in its own name throughout the world including all rights of priority, all rights to public cautionary notices reserving ownership of said inventions and all rights to claim and register said inventions in appropriate registries. AT&T Properties has further agreed to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in AT&T IP II, its successors, assigns and legal representatives.

IN WITNESS WHEREOF, AT&T Properties has caused this Recordable Patent Assignment to be executed by its duly authorized representative.

**AT&T PROPERTIES, LLC**

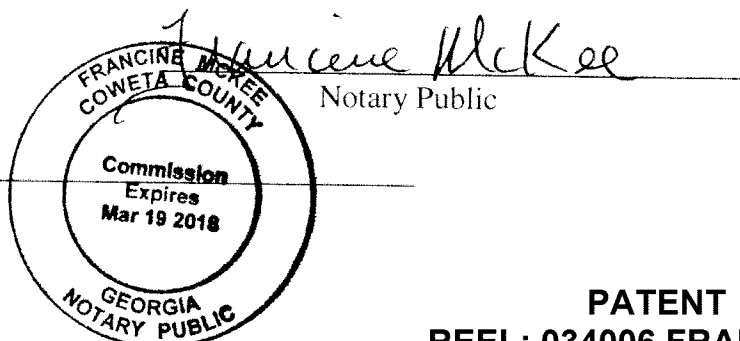
By: Jeanette Napp  
Jeanette Napp  
Assistant Secretary

STATE OF GA )  
 ) ss:  
COUNTY OF COWETA )

Before me personally appeared the person described in and who executed the foregoing instrument, and s/he acknowledged to me that s/he executed the same for the purposes therein stated, this 2nd day of September, 2014.

SEAL

My Commission Expires:



**PATENT**  
**REEL: 034006 FRAME: 0249**



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