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Amazon.com, Inc., et al. v. WAG Acq

IPR2022-01430


U.S. Patent 9,742,824

IPR2022-01433

U.S. Patent 9,762,636

Challenged Patents

US 9,742,824



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(12) **United States Patent**
Price

(10) **Patent No.:** US 9,742,824 B2
(45) **Date of Patent:** *Aug. 22, 2017

(54) **STREAMING MEDIA DELIVERY SYSTEM**
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(58) **Field of Classification Search**
CPC : H04L 65/4076; H04L 65/580; H04L 65/4084;
H04L 49/90; H04L 49/901;
(Continued)

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.
This patent is subject to a terminal disclaimer.

(21) Appl. No.: **15/283,578**
(22) Filed: **Oct. 3, 2016**
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US 2017/0026435 A1 Jan. 26, 2017

Related U.S. Application Data
(63) Continuation of application No. 13/815,040, filed on Jan. 25, 2013, which is a continuation of application (Continued)

(51) **Int. Cl.** (2006.01)
G06F 15/16 (2006.01)
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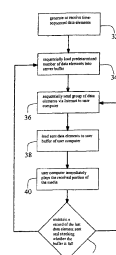
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ABSTRACT
(57) Streaming media, such as audio or video files, is sent via the Internet. The media are immediately played on a user's computer. Audio/video data is transmitted from the server under control of a transport mechanism. A server buffer is pre-filled with a predetermined amount of the audio/video data. When the transport mechanism causes data to be sent to the user's computer, it is sent more rapidly than it is played out by the user system. The audio/video data in the user buffer accumulates; and interruptions in playback as well as temporary modem delays are avoided.

12 Claims, 3 Drawing Sheets



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(51) **Int. Cl.** (2006.01)
G06F 15/16 (2006.01)
H04L 29/06 (2006.01)
(Continued)

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(Continued)

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(Continued)

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Claim(s) Challenged	35 U.S.C. §	Referen
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Only Three Limitations in D

1.a

A method for distributing over the Internet, from a server system to one or more user systems, one or more media data elements stored in a server system, the method comprising:

h

the data connection between the server system and the user system has a data rate more rapid than the data rate of one or more media data elements sent via that connection;

b

reading, by the user system, the one or more media data elements recorded on the one or more media;

c

supplying, to the user system, the one or more media data elements, the program code, and the encoded program code, the program code being encoded in the one or more media data elements;

j

the one or more media data element sent to the user system depending on the server system maintaining a record of the one or more media data element sent to the requesting user systems;

d

serially identifying the one or more media data elements, indicating a data rate of the one or more media data elements;

e

storing the one or more media data elements on the server system;

f

receiving requests from the user system over the Internet, the data stream, the data stream identifiers, the received requests, and the one or more user systems;

k

all of the media data elements that are sent by the server system to one or more user systems are sent in response to a request received from the one or more user systems;

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