

Title (en)  
SYSTEM FOR DELIVERING DATA OVER A NETWORK

Title (de)  
SYSTEM ZUM ABLIEFERN VON DATEN ÜBER EIN NETZWERK

Title (fr)  
SYSTEME DE LIVRAISON DE DONNEES SUR UN RESEAU

Publication  
**EP 1433324 A2 20040630 (EN)**

Application  
**EP 02754152 A 20020729**

Priority  
• CN 0200527 W 20020729  
• US 91763901 A 20010731  
• US 95404101 A 20010918

Abstract (en)  
[origin: WO03013124A2] This invention describes a new method and system for delivering data over a network to a large number of clients, which may be suitable for building large-scale Video-on-Demand (VOD) systems. In current VOD systems, the client may suffer from a long latency before starting to receive the requested data that is capable of providing sufficient interactive functions, or the reverse, without significantly increasing the network load. The method utilizes two groups of data streams, one responsible for minimizing latency while the other one provides the required interactive functions. In the anti-latency data group, uniform, non-uniform or hierarchical staggered stream intervals may be used. The system of this invention may have a relatively small startup latency while users may enjoy most of the interactive functions that are typical of video recorders. Furthermore, this invention may also be able to maintain the number of data streams, or the bandwidth, required.

IPC 1-7  
**H04N 7/173**

IPC 8 full level  
**H04N 21/23** (2011.01); **H04N 7/173** (2011.01)

CPC (source: EP KR)  
**H04N 7/17336** (2013.01 - EP); **H04N 21/23** (2013.01 - KR); **H04N 21/4722** (2013.01 - EP); **H04N 21/6181** (2013.01 - EP);  
**H04N 21/6581** (2013.01 - EP); **H04N 21/812** (2013.01 - EP); **H04N 2007/1739** (2013.01 - EP)

Cited by  
EP1433323A4

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)  
**WO 03013124 A2 20030213**; **WO 03013124 A3 20030515**; AU 2002322988 B2 20071115; AU 2002322988 C1 20080522;  
CA 2451901 A1 20030213; CA 2451901 C 20100216; CN 100477786 C 20090408; CN 1535536 A 20041006; EP 1433324 A2 20040630;  
EP 1433324 A4 20070418; JP 2005505957 A 20050224; KR 100639428 B1 20061030; KR 20040041574 A 20040517

DOCDB simple family (application)  
**CN 0200527 W 20020729**; AU 2002322988 A 20020729; CA 2451901 A 20020729; CN 02814765 A 20020729; EP 02754152 A 20020729;  
JP 2003518169 A 20020729; KR 20047001589 A 20020729