

Title (en)

METHODS FOR PROVIDING VIDEO-ON-DEMAND SERVICES FOR BROADCASTING SYSTEMS

Title (de)

VERFAHREN ZUR BEREITSTELLUNG VON VIDEOABRUFDIENSTEN FÜR RUNDSENDESYSTEME

Title (fr)

PROCEDES POUR FOURNIR DES SERVICES DE VIDEO A LA DEMANDE POUR SYSTEMES DE TELEDIFFUSION

Publication

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Application

**EP 01944254 A 20010531**

Priority

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Abstract (en)

[origin: WO0193062A1] A method of sending data to a client via a central controlling server (102) to provide data-on-demand services comprises the steps of: receiving a data file, specifying a time interval, parsing the data file into a plurality of data blocks based on the time interval such that each data block is displayable during a time interval, determining a required number of time slots to send the data file, allocating to each time slot at least a first of the plurality of data blocks and optionally one or more additional data blocks, such that starting from any of the time slots, (i) the data file can be displayed by accessing the first of the plurality of data blocks; (ii) at a consecutive time slot, a next data block sequential to a prior displayed data block is available for displaying; and (iii) repeating steps (ii) until all of the plurality of data blocks for the data file has been displayed, and sending the plurality of data blocks based on the allocating step.

IPC 1-7

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IPC 8 full level

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Citation (search report)

- [X] WO 9837696 A1 19980827 - HERZ FREDERICK S M [US]
- [X] JP H07250314 A 19950926 - MATSUSHITA ELECTRIC IND CO LTD
- [X] PETIT G H ET AL: "Bandwidth resource optimization in video-on-demand network architectures", COMMUNITY NETWORKING INTEGRATED MULTIMEDIA SERVICES TO THE HOME, 1994., PROCEEDINGS OF THE 1ST INTERNATIONAL WORKSHOP ON SAN FRANCISCO, CA, USA 13-14 JULY 1994, NEW YORK, NY, USA, IEEE, 13 July 1994 (1994-07-13), pages 91 - 97, XP010124402, ISBN: 0-7803-2076-X
- [X] CHIU M Y M ET AL: "PARTIAL VIDEO SEQUENCE CACHING SCHEME FOR VOD SYSTEMS WITH HETEROGENEOUS CLIENTS", IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, IEEE INC. NEW YORK, US, vol. 45, no. 1, 1 February 1998 (1998-02-01), pages 44 - 51, XP000735203, ISSN: 0278-0046
- [A] LIXIN GAO ET AL: "Supplying instantaneous video-on-demand services using controlled multicast", MULTIMEDIA COMPUTING AND SYSTEMS, 1999. IEEE INTERNATIONAL CONFERENCE ON FLORENCE, ITALY 7-11 JUNE 1999, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, US, 7 June 1999 (1999-06-07), pages 117 - 121, XP010519367, ISBN: 0-7695-0253-9
- See references of WO 0193062A1

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