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[Continued on next page]

(54) Title: SHARING MULTI DESCRIPTION CODED CONTENT UTILIZING PROXIMATE HELPERS

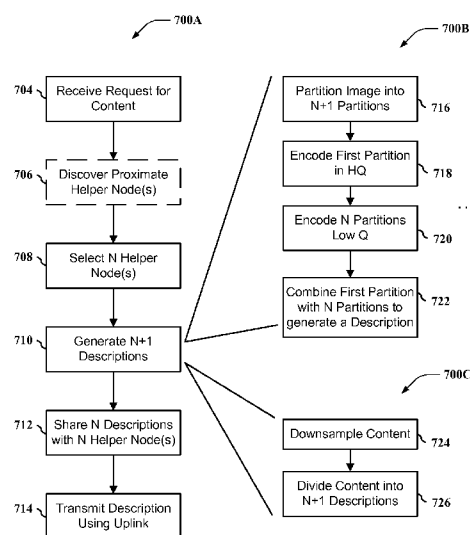


FIG. 7

(57) Abstract: An apparatus, system, and method utilizing multi-description coding (MDC) and one or more cooperative helper nodes to send streaming content on an uplink to a client over multiple paths. The client receives the multiple descriptions and aggregates them together to ideally obtain the original content at its original quality; however, if one or more of the descriptions is lost in the transmission, then the entire content can be generated from the remaining one or more descriptions that did arrive successfully.



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER
INV. H04L29/06
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EP0-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	EP 0 915 598 A2 (MATSUSHITA ELECTRIC IND CO LTD [JP]) 12 May 1999 (1999-05-12) abstract paragraph [0013] - paragraph [0045] -----	1-87
A	US 2003/009578 A1 (APOSTOLOPOULOS JOHN G [US] ET AL) 9 January 2003 (2003-01-09) abstract paragraph [0024] paragraph [0027] - paragraph [0035] -----	1-87
A	WO 2008/023328 A2 (NOKIA CORP [FI]; NOKIA INC [US]; WANG YE-KUI [FI]; HANNUKSELA MISHA [F]) 28 February 2008 (2008-02-28) abstract paragraph [0024] - paragraph [0050] -----	1-87

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Further documents are listed in the continuation of Box C.

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See patent family annex.

* Special categories of cited documents :

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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

28 January 2013

Date of mailing of the international search report

04/02/2013

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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