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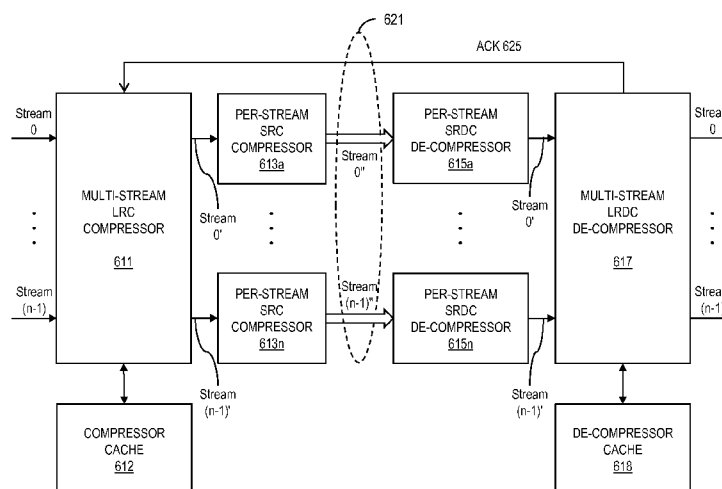
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(54) Title: DATA COMPRESSION FOR PRIORITY BASED DATA TRAFFIC

FIG. 6



(57) **Abstract:** An approach for multi-stream data compression comprises receiving packets of a data stream, wherein the packets comprise respective packets of source data streams compressed on an aggregate basis and in a successive order. A one of the packets is decompressed, and a determination is made whether the packet has been received in a proper order of succession compared to the successive order of compression. When it is determined that the packet has been received in the proper order, the packet is stored at a next location in a decompressor cache. When it is determined that the packet has not been received in the proper order, the packet is stored at a location in the decompressor cache, allowing for subsequent storage of one or more further packets in the proper order of succession, wherein the further packets were processed via the compression process before, but were received after, the one packet.

INTERNATIONAL SEARCH REPORT

international application no.

PCT/US 14/30110

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - : H04N 5/76 (2014.01)

USPC - 386/328

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)

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

IPC(8): H04N 5/76 (2014.01), G06F 15/173; USPC: 386/328, 353, 354, 355, 356; 709/247; CPC: H04L 29/08072, H04L 29/06, H04L 43/00

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

PatBase; Google Scholar; Google Web; Google Patents. Search Terms: GBC, V.44, Lempel-Ziv, LZ77, LZ78, LZ1, LZ2, long, range, compress, Gzip, dictionary, code, aggregate, bundle, combine, collective, stream, flow, index, indices, cache, buffer, memory, packet, order, sequence, 223, QOS, priority, difserv, successive, proper, sequence, etc

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y --- A	US 5,541,995 A (Normile et al.) 30 July 1996 (30.07.1996), entire document, especially figs. 3(a)-3(c), 4(a)-4(c) and 8; col. 3, ln 16-45; col. 5, ln 32-col. 6, ln 5; col. 6, ln 6-65; col. 8, ln 52-col. 9, ln 19	1-8, 10-17 ----- 9, 18
Y --- A	US 2012/0047283 A1 (Plamondon) 23 February 2012 (23.02.2012), entire document, especially, para [0007]-[0008], [0015], [0078], [0116], [0122], [0147], [0149]-[0150], [0166]-[0170], [0172]-[0176], [0184]-[0185], [0213], [0222]-[0223], [0225], [0280], [0292]-[0296], [0309], [0319], [0327])	1-8, 10-17 ----- 9, 18
A	US 2013/0041934 A1 (Annamalaisami et al.) 14 February 2013 (14.02.2013), entire document	1-18

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