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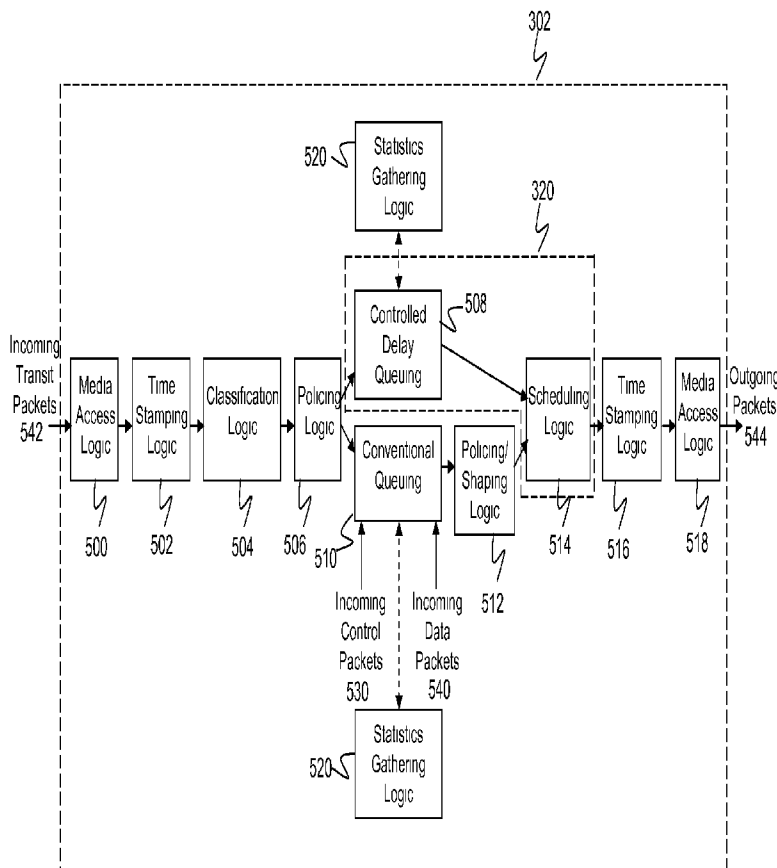
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(54) **Title:** APPARATUS AND METHOD OF CONTROLLED DELAY PACKET FORWARDING



(57) **Abstract:** An apparatus (302) and method are described for forwarding of packets (542) with controlled delay. In one embodiment, the invention includes controlled delay queuing logic (508) to hold a packet in a first class for a queuing time of at least a controlled delay value, and scheduling logic (514) to determine whether to delay transmission of a packet in a second class to allow the transmission of the packet in the first class when the queuing time reaches the controlled delay value.

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

C DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate of the relevant passages	Relevant to claim No
X --- Y	US 2004000 1493 A1 (CLOONAN et al) 01 January 2004 (01 01 2004), Title Abstract, Pg 3, paragraph 27, 29, Pg 4, paragraph 33, 36-38, and 40-42 Pg 5, paragraph 48 Pg 6-7, paragraph 53-55 and 60-62,	1-5, 7-9, 14- 17 ----- 6, 10-1 3, 18-20
Y	US 6,74 1 559 B1 (SMEULDERS et al) 25 May 2004 (25 05 2004), Abstract, Fig 1, col 10, lines 28-57	10, 12, 13, 18, 19
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A	US 5,757 77 1 A (LI et al) 26 Ma> 1998 (26 05 1998), entire disclosure	1-20
A	US 6,556,572 B1 (ISHIDA) 29 April 2003 (29 04 2003), entire disclosure	1-20
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Further documents are listed in the continuation of Bo\ C See patent family anne\

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	US 6,983,393 B2 (TRUCHARD et al) 03 January 2006 (03.01 2006), entire disclosure	1-20