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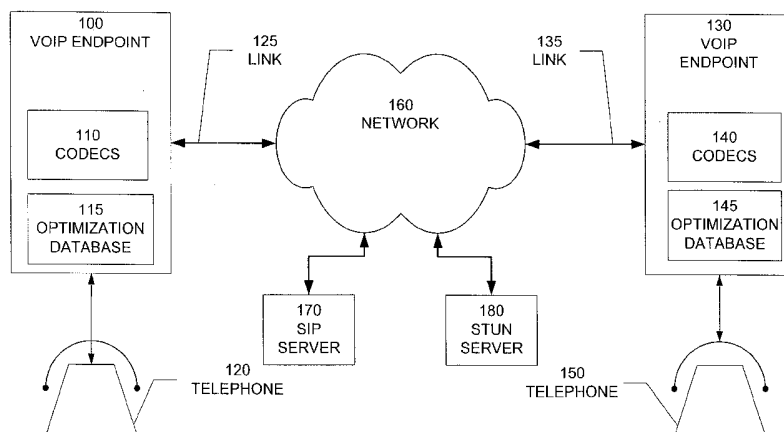
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DYNAMICALLY ADAPTING THE TRANSMISSION RATE OF PACKETS IN REAL-TIME VoIP COMMUNICATIONS TO THE AVAILABLE BANDWIDTH



(57) Abstract: A system and method for dynamically adapting the transmission rate of packets in real-time voice over IP communications to the available bandwidth. A real-time bandwidth monitor (RTBM) for VoIP applications senses the call path bandwidth between two endpoints (100 and 130) of a VoIP communication and adapts in real-time the packet transmission rate to utilize that bandwidth. If sufficient bandwidth is available, the RTBM (115) selects a low compression, low latency CODEC (110) to offer best possible voice quality to the user. If the bandwidth is constrained, the RTBM degrades gracefully by switching to a high compression CODEC (140). On further bandwidth reduction, the RTBM increases the media frames per packet. Because the bandwidth reduction may be transitory, the RTBM constantly monitors the end-to-end available bandwidth so as to invoke the CODEC/frame per packet combination that provides the best quality of service (QoS).



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC: H04J 3/22(2006.01) USPC: 370/465 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) U.S. : 370/465, 466, 471, 551 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) Please See Continuation Sheet																				
C. DOCUMENTS CONSIDERED TO BE RELEVANT																				
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.																		
A	US 2003/0123388 A1 (BRADD) 03 July 2003 (03.07.2003), (See Fig. 1, page 6, paragraph [0081-0084]).	1																		
A	US 2002/0191768 A1 (MILTON) 19 December 2002 (19.12.2002), (See Fig. 1, page 2, paragraph [0015-0016]).	1																		
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Continuation of B. FIELDS SEARCHED Item 3:

East

Search Term: Voice, VoIP, internet, Codec, encoder, decoder, database, end point,...