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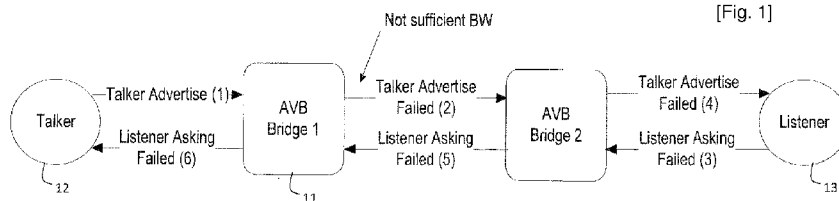
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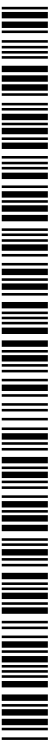
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(54) Title: ENHANCED STREAM RESERVATION PROTOCOL FOR AUDIO VIDEO NETWORKS



(57) Abstract: An enhanced stream reservation protocol comprising a Talker device sending a Stream Reservation Protocol (SRP) Talker Advertise message for streaming data to a Listener device, receiving the Talker Advertise message and checking bandwidth availability on an output port thereof for the streaming. In case of insufficient communication bandwidth, sending a failure message that includes information about available bandwidth from the Talker device to the Listener device. A protocol for communication in a bridged network, comprising a Talker device sending an SRP Talker Advertise message for streaming data to a Listener device. The Talker Advertise message includes communication path information from the Talker device to the Listener device. A communication path from the Talker device to the Listener device is selected based on said path metrics, for streaming data between the Talker device and the Listener device.



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A. CLASSIFICATION OF SUBJECT MATTER**H04L 12/28(2006.01)i, H04L 12/58(2006.01)i, H04L 29/06(2006.01)i**

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 12/28; H04L 12/56

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords:AVB, talker, listener, SRP, bandwidth, path information

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	IEEE Standard for Local and metropolitan area networks-Virtual Bridged Local Area Networks Amendment 14: Stream Reservation Protocol(SRP), 30 September 2010. See paragraphs 35.1.2.1, 35.1.2.2, 35.2.2.8.7, 35.2.4.2, Q.3.1.	1,11
A	See paragraphs 35.1.2.1, 35.1.2.2, 35.2.2.8.7, 35.2.4.2, Q.3.1.	2-10,12-33
X	Philippe Klein, "SRP Stream Path Selection", IEEE 802.1 AVB WG, at-phkl-s ㄱ-stream-path-selection-0511-v02, May 2011. See pages 3-8, 10.	14,15,23,24,25,33
A	See pages 3-8, 10.	1-13,16-22,26-32
A	US 2011-0038381 A1 (OREN AMIT et al.) 2011.02.17. See abstract; claim 1; figures 3-4b.	1-33

 Further documents are listed in the continuation of Box C. See patent family annex.

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"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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