

Title (en)

A METHOD AND APPARATUS TO PROVIDE END-TO-END QUALITY OF SERVICE GUARANTEE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR SICHERN DER ENDE-ZU-ENDE DIENSTQUALITÄT

Title (fr)

PROCEDE ET APPAREIL PERMETTANT D'ASSURER UNE GARANTIE DE SERVICE DE QUALITE DE BOUT-EN-BOUT

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Application

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Abstract (en)

[origin: WO0007407A1] A method and apparatus to provide end-to-end quality of service guarantee through AAL2 signaling in an AAL2 switching network is disclosed. The present invention provides a method for updating QoS parameters of ATM connections to a remote AAL2 node which includes collecting QoS parameters of a first ATM connection linking a first AAL2 node to a second AAL2 node and storing the QoS parameters of the first ATM connection for processing AAL2 connection setup requests requiring the ATM connection. Whether the QoS parameters of the first ATM connection satisfy a QoS requirement of the AAL2 connection setup request is verified and a new ATM connection is pursued when the QoS parameters of the first ATM connection do not satisfy the QoS requirement of the AAL2 connection setup request. New QoS parameters are extracted for the new ATM connection and the memory is updated with the new QoS parameters. QoS parameters of the new ATM connection are updated in an AAL2 signaling message provided to the second AAL2 node. When the QoS parameters of the first ATM connection satisfy the QoS requirement of the AAL2 connection setup request, the QoS parameters of the new ATM connection are immediately updated in an AAL2 signaling message provided to the second AAL2 node. The AAL2 signaling message is transferred to the second AAL2 node once the QoS parameters of the new ATM connection are updated in the AAL2 signaling message.

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