

Title (en)
METHOD AND SYSTEM FOR DYNAMIC ALLOCATION OF BANDWIDTH IN ASYNCHRONOUS TRANSFER MODE (ATM) SWITCHING SYSTEMS

Title (de)
VERFAHREN UND SYSTEM ZUR DYNAMISCHEN BANDBREITENZUTEILUNG IN ATM-VERMITTLUNGSSYSTEMEN

Title (fr)
TECHNIQUE D'ATTRIBUTION DYNAMIQUE DE LARGEUR DE BANDE DANS DES SYSTEMES DE COMMUTATION A MODE DE TRANSFERT ASYNCHRONE (MTA) ET APPAREIL CORRESPONDANT

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Abstract (en)
[origin: WO9922498A1] A method and system for dynamically adjusting the total bandwidth that an ABR-ER switching system can make available to ABR virtual circuits in the switching system by determining a set of weighted cutoffs for the ABR virtual circuits (650), respectively, determining a first total expected rate for recent active virtual circuits (665) that are bottlenecked elsewhere based on the weighted cutoffs, setting a second total expected rate for active virtual circuits (670) that are bottlenecked elsewhere to the first total expected rate, determining a total bandwidth available (680) in the switching system for active virtual circuits that are bottlenecked in the switching system based on the first total expected rate, and setting to zero the first total expected rate.

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