

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

Publication

EP 1027789 A1 20000816 (EN)

Application

EP 98944557 A 19980827

Priority

- US 9817788 W 19980827
- US 6422497 P 19971029

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.

IPC 1-7

H04L 12/56

IPC 8 full level

H04L 12/54 (2013.01); **H04L 12/56** (2006.01); **H04Q 11/04** (2006.01); **H04L 12/70** (2013.01)

CPC (source: EP)

H04L 12/5602 (2013.01); **H04Q 11/0478** (2013.01); **H04L 2012/5635** (2013.01)

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

WO 9922498 A1 19990506; CA 2307672 A1 19990506; EP 1027789 A1 20000816; EP 1027789 A4 20010207; JP 2001522170 A 20011113

DOCDB simple family (application)

US 9817788 W 19980827; CA 2307672 A 19980827; EP 98944557 A 19980827; JP 2000518485 A 19980827