

Title (en)

DYNAMIC CIRCUIT EMULATION USING ATM SWITCHES

Title (de)

DYNAMISCHE VERBINDUNGSEMLATION UNTER MIT ATM VERMITTLUNGSSTELLEN

Title (fr)

EMULATION DYNAMIQUE DE CIRCUITS PAR COMMUTATEURS A MODE DE TRANSFERT ASYNCHRONE (ATM)

Publication

EP 1216552 A1 20020626 (EN)

Application

EP 00963226 A 20000913

Priority

- SE 0001766 W 20000913
- US 39707299 A 19990916

Abstract (en)

[origin: WO0120858A1] The switch for a telecommunications exchange in accordance with an embodiment of the invention adapts a time slot in an incoming TDM-frame to an ATM frame in accordance with a predetermined ATM-VCC, and further dynamically changes a number of ATM cells in the ATM frame for the predetermined ATM-VCC in accordance with a changing number of connections carried through an ATM switch fabric (40) of the exchange. The exchange comprises the ATM switch fabric; a sending port (100); and a receiving port (200). An inband synchronisation signal is carried in an ATM frame routed through the ATM switch fabric from the sending port to the receiving port for coordinating a changing frame structure between the sending port and the receiving port in accordance with the changing number of connections. According to one example implementation, the number of ATM cells in the ATM frame for the predetermined ATM-VCC varies between one and sixty four, and one ATM cell in the ATM frame for the predetermined ATM-VCC convey eleven time slots.

IPC 1-7

H04L 12/56; H04L 12/64; H04Q 11/04

IPC 8 full level

H04L 12/54 (2013.01); **H04L 12/56** (2006.01); **H04L 12/935** (2013.01); **H04L 49/111** (2022.01); **H04Q 11/04** (2006.01); **H04L 12/70** (2013.01)

CPC (source: EP)

H04L 12/56 (2013.01); **H04L 49/3081** (2013.01); **H04Q 11/0478** (2013.01); **H04L 2012/5659** (2013.01); **H04L 2012/5671** (2013.01)

Citation (search report)

See references of WO 0120858A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0120858 A1 20010322; AU 7467100 A 20010417; CN 1390409 A 20030108; EP 1216552 A1 20020626

DOCDB simple family (application)

SE 0001766 W 20000913; AU 7467100 A 20000913; CN 00815638 A 20000913; EP 00963226 A 20000913