

Title (en)

SOURCE ADAPTIVE DIGITAL SUBSCRIBER LINE AND METHOD

Title (de)

VERFAHREN UND TEILNEHMERANSCHLUSSLEITUNG MIT KANALADAPTION

Title (fr)

LIGNE D'ABONNE NUMERIQUE S'ADAPTANT A LA SOURCE ET PROCEDE

Publication

EP 1095487 A2 20010502 (EN)

Application

EP 99926732 A 19990624

Priority

- IL 9900349 W 19990624
- IL 12522798 A 19980706

Abstract (en)

[origin: WO0002335A2] A communication system includes plurality of subscribers having a telephone set and different types of home modems coupled using twisted pairs to a local server that includes plurality of downstream repeaters, a central office coupled to a local server using twisted pair subscriber lines. The central office includes a telephone switch that provides telephone service to the subscribers and a concentrator that connects a plurality of upstream repeaters with a number of office modems that provide data service to the subscriber. A communication system uses CAP or DMT line signals with time division. The line signal transmits with different time framing. Every subscriber line can work in one of three operation modes: Asymmetrical mode, Half-Asymmetrical mode, Symmetrical mode. An office modem changes the operation mode of subscribers line and downstream/upstream bit rate depending on the type of an information source and the type of the subscriber home modem that is connected to the office modem in the current transmit cycle.

IPC 1-7

H04L 12/50

IPC 8 full level

H04L 27/34 (2006.01); **H04J 3/06** (2006.01); **H04J 11/00** (2006.01); **H04L 12/50** (2006.01); **H04L 29/08** (2006.01); **H04M 11/00** (2006.01)

IPC 8 main group level

H04L (2006.01)

CPC (source: EP KR)

H04L 5/0007 (2013.01 - EP); **H04L 5/06** (2013.01 - EP); **H04L 12/12** (2013.01 - EP); **H04L 12/28** (2013.01 - KR); **H04M 11/062** (2013.01 - EP); **H04L 5/0046** (2013.01 - EP); **H04L 5/1438** (2013.01 - EP); **H04L 5/1469** (2013.01 - EP); **H04L 27/34** (2013.01 - EP)

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 0002335 A2 20000113; **WO 0002335 A3 20000224**; AU 4389499 A 20000124; EP 1095487 A2 20010502; IL 125227 A0 19990312; JP 2002520902 A 20020709; KR 20010074674 A 20010808

DOCDB simple family (application)

IL 9900349 W 19990624; AU 4389499 A 19990624; EP 99926732 A 19990624; IL 12522798 A 19980706; JP 2000558624 A 19990624; KR 20017000166 A 20010105