Title (en)

METHOD AND SYSTEM FOR EFFECTIVELY UTILIZING THE SWITCHING CAPACITY OF LOCAL EXCHANGES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR WIRKSAMEN NUTZUNG DER VERMITTLUNGSKAPAZITÄT VON ORTSVERMITTLUNGSSTELLEN

Title (fr)

PROCEDE ET SYSTEME PERMETTANT UNE UTILISATION RENTABLE DE LA CAPACITE DE COMMUTATION DE CENTRAUX URBAINS

Publication

EP 1320999 A2 20030625 (EN)

Application

EP 01974643 A 20010924

Priority

• IL 0100890 W 20010924
• IL 13876100 A 20000928

Abstract (en)

[origin: WO0228115A2] To support a changing volume of voice-grade traffic in an access network having a local exchange with a limited capacity, there are proposed the following method. First, there are provided access networks each having its subscribers and its associated local exchange. Each of the access networks is capable of dividing traffic, outgoing from its subscribers, into voice-grade and data traffic portions, and capable of directing the data traffic portion to a packet network while directing the voice-grade traffic portion to a PSTN network via the associated local exchange. An overload condition is defined when traffic transmitted through a local exchange is equal or exceeds a predetermined threshold, while a normal load condition of the local exchange occurs when traffic is below the predetermined threshold. Upon detecting an overload condition in a local exchange (LE1), a search for another (LE2) local exchange that is in a normal load condition is conducted. Once found, the voice-grade traffic intended for local exchange LE1 is partially diverted and transmitted to its destination via the packet network and the local exchange LE2, thereby reducing volume of the voice-grade traffic transmitted via LE1.

IPC 1-7

H04Q 3/00; H04Q 3/60

IPC 8 full level

H04Q 3/00 (2006.01); **H04Q 3/60** (2006.01)

CPC (source: EP)

H04Q 3/0091 (2013.01); **H04Q 3/60** (2013.01); H04Q 2213/13039 (2013.01); H04Q 2213/13164 (2013.01); H04Q 2213/13166 (2013.01); H04Q 2213/13176 (2013.01); H04Q 2213/13196 (2013.01); H04Q 2213/1329 (2013.01); H04Q 2213/13292 (2013.01); H04Q 2213/13298 (2013.01); H04Q 2213/13344 (2013.01); H04Q 2213/13349 (2013.01); H04Q 2213/13381 (2013.01); H04Q 2213/13383 (2013.01); H04Q 2213/13389 (2013.01); H04Q 2213/13395 (2013.01); H04Q 2213/13399 (2013.01)

Citation (search report)

See references of WO 0228115A2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 0228115 A2 20020404; **WO 0228115 A3 20020530**; AU 9415401 A 20020408; CA 2423155 A1 20020404; EP 1320999 A2 20030625; IL 138761 A0 20011031; IL 138761 A 20051120

DOCDB simple family (application)

IL 0100890 W 20010924; AU 9415401 A 20010924; CA 2423155 A 20010924; EP 01974643 A 20010924; IL 13876100 A 20000928