

Title (en)

RADIO ACCESS NETWORK FOR A MOBILE RADIO COMMUNICATIONS SYSTEM AND AN OPERATING METHOD THEREFOR

Title (de)

FUNKZUGANGSNETZ FÜR EIN MOBILFUNK-KOMMUNIKATIONSSYSTEM UND BETRIEBSVERFAHREN DAFÜR

Title (fr)

RESEAU D'ACCES RADIO POUR SYSTEME DE COMMUNICATION RADIO MOBILE ET PROCEDE DE FONCTIONNEMENT CORRESPONDANT

Publication

EP 1319316 A2 20030618 (DE)

Application

EP 01978109 A 20010910

Priority

- DE 0103473 W 20010910
- DE 10046342 A 20000919

Abstract (en)

[origin: WO0228130A2] The invention relates to a radio access network (RAN) for a mobile radio communications system and to an operating method therefor. The radio access network has a number of first nodes (UPS1, UPS2,), which are each assigned to a subarea (A, a) of a geographical area, and which serve for exchanging useful data between terminals (UE), which are located in the relevant subarea, and a primary network (CN). The radio access network also has at least one second node (RCS1, RCS2), which comprises a number of signaling functionalities (UEF) for exchanging signaling data with the each respective terminal (UE). The second node (RCS1, RCS2, ...) is connected to a number of first nodes (UPS1, UPS2, ...) in order to exchange signaling data with a terminal (UE) via those first nodes (UPS1, UPS2, ...) with which this terminal (UE) exchanges useful data. When the terminal passes into the subarea of another first node, the transmission of useful data shifts from the previous node to this other first node, whereby a shifting of the signaling functionality is unnecessary.

IPC 1-7

H04Q 7/24; H04Q 7/38

IPC 8 full level

H04W 36/08 (2009.01); **H04W 76/04** (2009.01)

CPC (source: EP US)

H04W 36/0055 (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 0228130 A2 20020404; WO 0228130 A3 20021128; CN 100512539 C 20090708; CN 1475088 A 20040211; DE 10046342 A1 20020404; EP 1319316 A2 20030618; JP 2004511145 A 20040408; US 2004053627 A1 20040318; US 7146177 B2 20061205

DOCDB simple family (application)

DE 0103473 W 20010910; CN 01818841 A 20010910; DE 10046342 A 20000919; EP 01978109 A 20010910; JP 2002531774 A 20010910; US 38079703 A 20030902