

Title (en)

ACCESS CHANNEL SCHEDULING IN A RADIO COMMUNICATION SYSTEM

Title (de)

ZUTEILUNG VON ZUGRIFFSKANÄLEN IN EINEM FUNKKOMMUNIKATIONSSYSTEM

Title (fr)

PROGRAMMATION DE CANAL D'ACCES DANS UN SYSTEME DE RADIOCOMMUNICATION

Publication

**EP 1277365 A1 20030122 (EN)**

Application

**EP 00917262 A 20000323**

Priority

IT 0000101 W 20000323

Abstract (en)

[origin: WO0172080A1] A process for the access channel scheduling to radio channels shared by a plurality of Mobile units of an UMTS mobile telecommunication system. Said process allowing to a mobile unit to access to the base station (BTSC) and signal the assignment requests of a dedicated channel, or to have direct access to the new channel in case of asynchronous intercell handover. The process consists in marking a basic TDMA-CDMA frame within the multiframe, with periodicity and phase that can be separately controlled. The aggregate of the marked frames having equal phase forms a subchannel shared by the Mobile units to perform a specific access typology associated to that subchannel. The access takes place through the transmission of a signature sequence, random selected by the Mobile units among a plurality of different sequences associated to the carrier used in the cell. To mark the frames of a subchannel, an expression of the following type is used: SFN module [P1]=P2, where SFN is the System Frame Number and P1 and P2 are two parameters signalled at first by the network in a System Information message broadcast diffused by the BTS in a common control channel, or time by time included in the following messages: Paging Request, Immediate Assignment, Handover Command, Uplink free.

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IPC 8 full level

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