Title (en)

METHOD AND SYSTEM TO DIAGNOSE THE FUNCTIONAL STATE OF RADIO BASE STATIONS IN A DIGITAL TELECOMMUNICATION SYSTEM

Title (de)

VERFAHREN UND VORRICHTUNG ZUR DIAGNOSE DES FUNKTIONELLEN ZUSTANDES DER BASISSTATIONEN IN EINEM DIGITALEN TELEKOMMUNIKATIONSSYSTEM

Title (fr)

DIAGNOSTIC DE L'ETAT FONCTIONNEL DES STATIONS A BASE RADIO DANS UN SYSTEME DE TELECOMMUNICATIONS NUMERIQUE, ET SYSTEME A CET EFFET

Publication

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Application

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- IT MI982068 A 19980925

Abstract (en)

[origin: WO0019752A1] The invention relates to a method and a system to diagnose the functional state of a radio base station (RFP) in a system of a digital telecommunication system of the type known as DECT system (Digital Enhanced Cordless Telecommunications), that is a system in which the signals are arranged in frames, and the frame is divided in 2 half frames, during the first one of which the stations (RFP) are arranged to monitor the interference level of the radio channels, while they are arranged during the second half frame to pick up the access requests of the mobile stations (PP). According to the invention the method foresees the steps of: predisposing every radio base station (RFP) to tune up to the programmes transmitted by another radio base station (RFP) during said first half frame seeking a synchronism word/field (S) representing the configuration emitted by the radio base stations; if the tuning operation presents a positive result, decoding the field (D) reserved for the data transmission and sending of the decoded station identification data (RFPI) to the central control fixed part (CCFP) for further processing.

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