Title (en)

BASE STATION SYNCHRONIZATION METHOD AND CELLULAR SYSTEM

Title (de)

VERFAHREN ZUR SYNCHRONISATION VON BASISSTATIONEN UND ZELLULARES SYSTEM

Title (fr)

PROCEDE DE SYNCHRONISATION ENTRE STATIONS DE BASE, ET SYSTEME CELLULAIRE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9930519A1] The invention relates to a method for synchronizing base stations, and a cellular radio system comprising in each cell at least a base station (204, 206) and a number of terminals (214, 216). The base stations transmit a reference signal, and the terminals can simultaneously communicate with one or more base stations and simultaneously receive the reference signal from more than one base station. In order to easily synchronize the base station, the terminal measures the timing difference between a reference signal transmitted by a base station not communicating with the terminal and one or more reference signals transmitted from base stations communicating with the terminal. The terminal reports the measured difference to the one or more base stations communicating with the terminal. On the basis of the measured timing difference, the one or more base stations are arranged to adjust the timing of the signals they have transmitted to the terminal in relation to each other.

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