

Title (en)

BASE STATION AND RECEIVER FOR A MOBILE COMMUNICATION SYSTEM WITH TDMA COMPONENTS

Title (de)

BASISSTATION FÜR EIN MOBILES KOMMUNIKATIONSSYSTEM MIT ZEITMULTIPLEX (TDMA) UND KODEMULTIPLEX (CDMA)

Title (fr)

STATION DE BASE ET RECEPTEUR POUR SYSTEME DE COMMUNICATION RADIOMOBILE COMPORTANT DES ELEMENTS AMRT

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9922531A2] The inventive base station for a mobile communication system with TDMA components contains a signal processing device (SP) to prepare useful information (ni) and organisational information (oi) for transmission via a radio interface. The signal processing device (SP) is controlled by a control device (SE) in such a way that the useful information (ni) is prepared for transmission in a frequency channel (FK1) of a first high frequency carrier (TR1) with TDMA components and the organisational information (oi) is prepared independently from the useful information (ni) for transmission in a frequency channel (FK2) of a second high frequency carrier (TR2) with TDMA components. The frequency channel of the first high frequency carrier has a larger band width than the frequency channel of the second high frequency channel. Separate transmission devices (UE1, UE2) modulate a transmission signal (tx2) for high frequency transmission of the organisational information using the second high frequency carrier and a transmission signal (tx1) for high frequency emission of useful information using the second high frequency carrier.

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