Title (en)

METHOD TO DETERMINE LOCATION OF A MOBILE RADIO STATION AND BASE STATION FOR TRANSMISSION OF LOCAL INFORMATION

Title (de)

VERFAHREN ZUM BESTIMMEN DES AUFENTHALTSORTES EINER MOBILEN FUNKSTATION UND FESTSTATION ZUR AUSSENDUNG VON ORTSINFORMATIONEN

Title (fr)

PROCEDE PERMETTANT DE LOCALISER UNE STATION MOBILE DE TELECOMMUNICATIONS ET STATION DE BASE DESTINEE A ENVOYER DES INFORMATIONS DE LIEU

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Application

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Abstract (en)

[origin: DE19638337A1] Disclosed is a method to determine location of a mobile radio station (1) in the radiation area (5) of at least one base station (10). Base station (10) transmits at least two differently coded signals from two antennae (15, 20) in different directions so that radiation area (5) of base station is divided up into corresponding minor-overlapping radiation fields (25, 30). According to location of mobile radio station (1) in radiation field (25, 30) of one of the antennae (15, 20) the signal transmitted by the corresponding antenna (15, 20) is received by the mobile station (1). Information is transmitted, preferably to a base station (35), according to coding of signal received. Location of mobile station is determined in said station (35) according to the information. Also disclosed is a base station (10) which is used to transmit local information in a radiation area (5). At least two antennae (15, 20) are provided to transmit radio signals in different directions so that the radiation area (5) of the base station (10) is divided up into corresponding minor-overlapping radiation fields (25,30). The antennae (15,20) are connected to a means of producing code (40). Said means (40) provides antennae (15,20) with radio signals presenting a different coding.

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