

Title (en)

METHOD AND DEVICE FOR TRANSMITTING INFORMATION USING VARYING CARRIER FREQUENCIES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ÜBERTRAGUNG VON INFORMATIONEN IN VERSCHIEDENEN TRÄGERFREQUENZEN

Title (fr)

PROCEDE ET DISPOSITIF A DIVERSITE EN FREQUENCE PORTEUSE DESTINES A LA TRANSMISSION D'INFORMATIONS

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9966651A1] The invention relates to a method and device for transmitting information using varying carrier frequencies by means of a frequency hopping method. A random sequence produces a number of N possible carrier frequency values  $f_x$  in addresses 1 to N of said table (25). The N possible carrier frequencies are subdivided into n subgroups. At least one part M of the N possible carrier frequency values  $f_x$  of the table (25) is periodically and repeatedly read. In each subgroup, the carrier frequency values  $f_x$  are extracted sequentially from the corresponding addresses and the subgroups are extracted in a predetermined chronological order, whereby  $M \leq N$ . Information is then transmitted at carrier frequencies which correspond to the extracted carrier frequencies. The invention method and device can be used, for instance, in a mobile station and/or a base station of a mobile radio system.

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