

Title (en)

METHOD AND DEVICE FOR CONVERTING A RANDOM NUMBER SEQUENCE INTO CARRIER FREQUENCIES FOR MOBILE RADIO TRANSMISSION

Title (de)

VERFAHREN UND VORRICHTUNG ZUM UMSETZEN EINER ZUFALLSZAHLEN-SEQUENZ IN TRÄGERFREQUENZEN FÜR EINE MOBILFUNKÜBERTRAGUNG

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT DE CONVERTIR UNE SEQUENCE DE NOMBRES ALEATOIRES EN FREQUENCES PORTEUSES POUR UNE RADIOTRANSMISSION MOBILE

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Application

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Abstract (en)

[origin: WO9966653A1] The current invention relates to a method and a device for converting a random number sequence into carrier frequencies f_x for mobile radio transmission. A shift register (25) with a register content of n bits is provided. The register content is shifted by 1 bit, whereupon a decision is made as to whether the value of a number of k bits of the register content is greater than the overall number Y of possible carrier frequencies f_x , whereby k is less than or equal to n . If the decision is positive, the value of the k bits is used to select the next carrier frequency f_x . The carrier frequency is selected, for instance, from a table in which the possible carrier frequencies are allocated to certain positions. The inventive method and the inventive device can be carried out and used in a mobile radio device in an easy, reliable and economical manner.

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