

Title (en)  
SPREAD-SPECTRUM GMSK/M-ARY RADIO WITH OSCILLATOR FREQUENCY CORRECTION

Title (de)  
SPREIZSPEKTORUM-GMSK/M-ARY FUNGERÄT MIT OSZILLATOR FREQUENZKORRECTION

Title (fr)  
RADIO A BASE M/A MODULATION A DEPLACEMENT MINIMAL A FILTRAGE GAUSSIEN AVEC UNE CORRECTION DE FREQUENCES D'OSCILLATEUR

Publication  
**EP 1188249 A1 20020320 (EN)**

Application  
**EP 00932152 A 20000505**

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Abstract (en)  
[origin: WO0069088A1] A communication device includes a transmitter (21) and receiver. The transmitter (21) includes an M-ary encoder (23) configured to generate an M-1 number of distinctive symbols each comprising k bits. M is equal to 2k and k is a positive integer. The transmitter (21) also includes a code generator (25) configured to produce spread spectrum codeword sequence based on the symbols generated by the M-ary encoder and based on a first and second Gold code polynomials. The transmitter (21) sends a radio signal based on the spread spectrum codeword sequences to a receiver. The receiver includes a first shift register (81) configured to receive an input signal generated based on the received radio signal and a second shift register (83) configured to receive and circularly shift a locally generated codeword sequence that is identical to the codeword sequence used to encode the symbols.

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**H04B 1/69**

IPC 8 full level  
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