

Title (en)

BIT ALLOCATION METHOD AND APPARATUS FOR IMPROVING TRANSMISSION BIT RATE IN A MULTICARRIER SYSTEM

Title (de)

VERFAHREN UND VORRICHTUNG VON BITZUORDNUNG ZUR VERBESSERUNG DER ÜBERTRAGUNGSBITRATE IN EINEM MEHRTRÄGERSYSTEM

Title (fr)

TECHNIQUE A DIVERSITE DANS LE TEMPS PERMETTANT D'AMELIORER LE DEBIT BINAIRE D'UNE TRANSMISSION DANS UN SYSTEME A PORTEUSES MULTIPLES ET APPAREIL CORRESPONDANT

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0135545A2] A method that increases an effective signal-to-noise ratio (SNR) of a carrier signal that has an SNR that precludes transmitting a complete information bit of an input bit stream at a bit-error rate during a single symbol period is described. The increasing of the SNR of the carrier signal includes modulating a same information bit of the input bit stream during successive symbol periods. The modulating of the same information bit during successive symbols achieves the bit-error rate for the carrier signal. The carrier signal is demodulated for successive symbol periods to obtain partial information regarding the information bit. The partial information is combined to produce a complete information bit.

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