

Title (en)

METHOD AND APPARATUS FOR REDUCING PRECODING LOSS WHEN USING A POST-COMB FILTERING APPROACH TO REDUCE CO-CHANNEL INTERFERENCE IN HIGH DEFINITION TELEVISION TRANSMISSION.

Title (de)

VERFAHREN UND EINRICHTUNG ZUR VERMINDERUNG DER VORKODIERUNGSVERLUSTE WÄHREND DER ANWENDUNG EINER NACHKAMMFILTERSCHALTUNG, UM DIE INTERFERENZ ZWISCHEN KANÄLEN IN HDTV-ÜBERTRAGUNGEN ZU VERMINDERN.

Title (fr)

PROCEDE ET APPAREIL DE REDUCTION DES PERTES DE PRECODAGE LORS DE L'APPLICATION D'UN POST-FILTRAGE PAR FILTRE EN PEIGNE AFIN DE REDUIRE L'INTERFERENCE ENTRE CANAUX DANS DES TRANSMISSIONS DE TELEVISION DE HAUTE DEFINITION.

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Application

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Priority

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Abstract (en)

[origin: WO9518504A2] A system for transmitting and receiving digital data which utilizes pre-coding at a transmitter, and selects post-coding at a receiver when co-channel interference or post-comb processing at the receiver when co-channel interference is present. The system comprises a symbol interleaver at the transmitter and a symbol deinterleaver at the receiver which minimizes the byte errors by organizing the data input at the pre-coder at the transmitter such that the symbol errors and their respective propagated errors are re-organized so as to be disposed adjacent to each other, thereby forming adjacent symbol errors. The effect of this re-organization is to increase the probability that each pair of adjacent symbol errors correspond to bits which lie in the same byte.

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