Title (en)

METHOD FOR PAPR REDUCTION IN A MULTI-CARRIER SIGNAL TRANSMISSION, APPARATUS AND COMPUTER PROGRAM THEREOF

Title (de)

VERFAHREN ZUR PAPR REDUKTION IN EINER MEHRTRÄGER-ÜBERTRAGUNG, ENTSPRECHENDE VORRICHTUNG UND COMPUTERPROGRAMM

Title (fr)

PROCEDE DE REDUCTION DE PAPR DANS UNE TRANSMISSION D'UN SIGNAL MULTIPORTEUSE, DISPOSITIF DE TRANSMISSION ET PROGRAMME D'ORDINATEUR CORRESPONDANTS

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Application

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Abstract (en)

[origin: WO2014135811A1] The invention concerns a method for the multi-carrier transmission of a signal comprising OFDM blocks formed from N carriers modulated by a constellation symbol. According to the invention, the method comprises, for at least one OFDM block: - a phase (201) of prebuilding M prebuilt complex time samples representative of the N carriers of said OFDM block, and - a phase (202) of correcting the constellation symbols modulating the N carriers, comprising the following steps, repeated for each carrier: - detection (2021) of P samples having a power higher than a predefined threshold (a), delivering said P samples and M-P zero samples, forming M complex time samples to be corrected, - correcting (2022) the constellation symbol on the basis of said M complex time samples to be corrected, delivering an item of complex correction data (Fn), - building (2023) M complex time samples associated with said item of complex correction data, - updating (2024) said M prebuilt complex time samples.

IPC 8 full level

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Citation (search report)

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