

Title (en)

IMPAIRMENT COVARIANCE AND COMBINING WEIGHT UPDATES DURING ITERATIVE TURBO INTERFERENCE CANCELLATION RECEPTION

Title (de)

AKTUALISIERUNG VON STÖRKOVARIANZ UND ÄQUIVALENTGEWICHTEN WÄHREND EINES EMPFANGS MIT WIEDERHOLTER TURBOINTERFERENZUNTERDRÜCKUNG

Title (fr)

MISES À JOUR DE COVARIANCE D'AFFAIBLISSEMENT ET DE POIDS DE COMBINAISON DURANT LA RÉCEPTION À ANNULATION D'INTERFÉRENCES TURBO ITÉRATIVE

Publication

EP 2761766 A2 20140806 (EN)

Application

EP 12835544 A 20120927

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Abstract (en)

[origin: WO2013048326A2] In a receive node (230) of a wireless network (100), an iterative multi-user multi-stage interference cancellation receiver (400, 800, 1100) is used. After each stage of interference cancellation, interference characteristics change. An adaptive strategy is used in which after each stage of interference cancellation, impairment covariance is parametrically updated and combining weights of the receiver (400, 800, 1100) are adapted to reflect the updated impairment covariance.

IPC 8 full level

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CPC (source: EP US)

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