Title (en)

METHOD FOR TIME-RETURN DATA SIGNAL PRE-EQUALISATION

Title (de)

VERFAHREN FÜR ZEITRÜCKLAUF-DATENSIGNAL-VORVERZERRUNG

Title (fr)

PROCEDE DE PRE-EGALISATION D'UN SIGNAL DE DONNEES PAR RETOURNEMENT TEMPOREL

Publication

EP 2232802 A1 20100929 (FR)

Application

EP 08870341 A 20081219

Priority

- FR 2008052377 W 20081219
- FR 0760228 A 20071221

Abstract (en)

[origin: WO2009087328A1] The invention relates to a method for the pre-equalisation of a data signal transmitted by an origin communication entity (EC1), comprising a set of origin antennas (A11,... A1M1), to a destination communication entity (EC2) comprising a set of destination antennas (A21,...A2M2), wherein the method comprises the step of transmitting (E1) a pulse from a destination antenna (A2j) to the origin communication entity, the step of transmitting (E6) from the destination antenna to the origin communication entity a time-returned combined pulse response representative of a consecutive crossing of said pulse on a first propagation channel between the destination antenna and a reference antenna (A1ref) from the set of origin antennas, and a second propagation channel between an origin antenna (A1i) and the destination antenna, said step being repeated for at least a portion of the set of origin antennas, the pulse transmission steps and the iterative step of transmitting a time-returned combined pulse response being repeated for at least a portion of the set of destination antennas, and the step of determining (E9) the data signal pre-equalisation coefficients from a combination of a set of time-returned combined pulse responses received by the origin communication entity.

IPC 8 full level

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Citation (search report)

See references of WO 2009087328A1

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DOCDB simple family (publication)

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