

Title (en)
TIME-RETURN PRE-EQUALISATION METHOD

Title (de)
ZEITRÜCKLAUF-VORVERZERRUNGSVERFAHREN

Title (fr)
PROCEDE DE PRE-EGALISATION PAR RETOURNEMENT TEMPOREL

Publication
EP 2232801 A1 20100929 (FR)

Application
EP 08869329 A 20081219

Priority
• FR 2008052378 W 20081219
• FR 0760225 A 20071221

Abstract (en)
[origin: WO2009087329A1] 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 (A1 1,...,Al M1), to a destination communication entity (EC2) comprising a set of destination antennas (A21,...,A2M2), wherein the method comprises a reception step by a reference antenna (A1ref) from the set of origin antennas of a first pulse transmitted by a destination antenna (A2j) on a first propagation channel, a reception step by the reference antenna of a combined pulse response representative of a consecutive crossing of a second pulse on a second propagation channel between an origin antenna (A1i) and the destination antenna and of the first propagation channel, the step of time-returning the combined pulse response, the step of combining the time-returned combined pulse response and a pulse response representative of the crossing of said first pulse on said first propagation channel, the steps being repeated for at least a portion of the set of destination antennas and at least a portion of the set of origin antennas, and the step of determining the pre-equalisation coefficients of the data signal from a set of combinations of pulse responses.

IPC 8 full level
H04L 25/03 (2006.01); **H04B 7/04** (2006.01); **H04B 7/06** (2006.01); **H04L 1/00** (2006.01); **H04L 1/06** (2006.01); **H04L 5/14** (2006.01); **H04L 25/02** (2006.01)

CPC (source: EP US)
H04B 7/0617 (2013.01 - EP US); **H04B 7/0619** (2013.01 - EP US); **H04L 5/14** (2013.01 - EP US); **H04L 25/0204** (2013.01 - EP US); **H04L 25/0212** (2013.01 - EP US); **H04L 25/03114** (2013.01 - EP US); **H04L 25/03343** (2013.01 - EP US); **H04L 2025/03426** (2013.01 - EP US); **H04L 2025/03802** (2013.01 - EP US)

Citation (search report)
See references of WO 2009087329A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
FR 2925797 A1 20090626; CN 101904144 A 20101201; EP 2232801 A1 20100929; JP 2011507443 A 20110303; US 2010309829 A1 20101209; WO 2009087329 A1 20090716

DOCDB simple family (application)
FR 0760225 A 20071221; CN 200880122182 A 20081219; EP 08869329 A 20081219; FR 2008052378 W 20081219; JP 2010538876 A 20081219; US 74508508 A 20081219