Title (en)
APPARATUS FOR TRANSMITTING AND RECEIVING A SIGNAL AND A METHOD THEREOF

Title (de)
VORRICHTUNG ZUM SENDEN UND EMPFANGEN EINES SIGNALS UND VERFAHREN DAFÜR

Title (fr)
APPAREIL D'ÉMISSION ET DE RÉCEPTION DE SIGNAL ET PROCÉDÉ ASSOCIÉ

Publication
EP 2286531 A2 20110223 (EN)

Application
EP 09755014 A 20090526

Priority
• KR 2009002785 W 20090526
• US 5642908 P 20080527

Abstract (en)
[origin: WO2009145549A2] In one aspect of the present invention, a method for receiving a signal is disclosed. The method includes demodulating (S210)signals being received to multiple antennas, respectively; parsing (S220) signal frames of the demodulated signals in transmission paths, respectively; performing (S230) MIMO decoding on signals in the signal frames based upon a correlation between channels of the signals being received to the multiple antennas to output MIMO-decoded symbols to multiple paths or a single path in accordance with the correlation; symbol-demapping (S240) the MIMO-decoded symbols to symbol-demapped data in accordance with the correlation, wherein the MIMO-decoded symbols in the multiple paths are symbol-demapped respectively and the respective symbol-demapped data are multiplexed, or the MIMO-decoded symbols in the single path are symbol-demapped together to symbol-demapped data; outputting (S250) bit data using at least one of the multiplexed symbol-demapped data and the symbol-demapped data in the single path; and error correction decoding (S260)the outputted bit data.

IPC 8 full level
H04L 1/06 (2006.01); **H04B 7/04** (2006.01); **H04L 27/34** (2006.01); **H04N 19/89** (2014.01); **H04N 21/2383** (2011.01); **H04N 21/438** (2011.01); H04L 5/00 (2006.01)

CPC (source: EP)
H04L 1/06 (2013.01); **H04L 27/3488** (2013.01); **H04N 19/89** (2014.11); **H04N 21/2383** (2013.01); **H04N 21/4382** (2013.01); H04B 7/0413 (2013.01); H04L 5/0023 (2013.01)

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 MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2009145549 A2 20091203; **WO 2009145549 A3 20110324**; EP 2286531 A2 20110223; EP 2286531 A4 20140917

DOCDB simple family (application)
KR 2009002785 W 20090526; EP 09755014 A 20090526