

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  
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Application  
**EP 09755014 A 20090526**

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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  
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Citation (search report)  
• [X] WO 02062002 A1 20020808 - QUALCOMM INC [US]  
• [E] WO 2009084837 A2 20090709 - LG ELECTRONICS INC [KR], et al  
• See references of WO 2009145549A2

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**WO 2009145549 A2 20091203**; **WO 2009145549 A3 20110324**; EP 2286531 A2 20110223; EP 2286531 A4 20140917

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