Title (en)

HIGH SPECTRAL EFFICIENCY POINT-TO-POINT RADIO SYSTEM AND RELEVANT OPERATING METHOD

Title (de)

PUNKT-ZU-PUNKT-FUNKSYSTEM MIT HOHER SPEKTRALEFFIZIENZ UND DIESBEZÜGLICHES BETRIEBSVERFAHREN

Title (fr)

SYSTÈME RADIO POINT À POINT À EFFICACITÉ SPECTRALE ÉLEVÉE ET PROCÉDÉ DE FONCTIONNEMENT APPARENTÉ

Publication

EP 2198546 A2 20100623 (EN)

Application

EP 08803229 A 20080826

Priority

- EP 2008061162 W 20080826
- IT MI20071713 A 20070831

Abstract (en)

[origin: WO2009027408A2] A Point-to-Point radio system comprises a plurality of transmit antennas and a plurality of receive antennas that can be utilized with a transmission modality selected among a plurality of available transmission modalities, all finalized to transmit and receive digital, single carrier modulated RF signals at frequencies above about 6 GHz. The modulated signal has a single carrier modulation/coding format selectable among a plurality of available modulation/coding formats. Both the antenna transmission modality and the modulation/coding format jointly identify a transmission physical level. The system includes in particular, both at the transmit and at the receive side, suitable signal processing circuits coupled at the input of the transmit antennas and, respectively, at the output of the receive antennas, finalized at the real-time, adaptive change of the transmission physical level as a function of the time-variable quality of the signals received by the multiple receive antennas.

IPC 8 full level

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Citation (search report)

See references of WO 2009027408A2

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DOCDB simple family (publication)

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