

Title (en)

METHOD FOR PULSE-BASED ULTRA-BROADBAND COMMUNICATION BETWEEN AT LEAST ONE TRANSMITTING NODE AND AT LEAST ONE RECEIVING NODE

Title (de)

VERFAHREN ZUR PULSBASIERTEN ULTRA-BREITBAND-KOMMUNIKATION ZWISCHEN ZUMINDEST EINEM SENDE-KNOTEN UND ZUMINDEST EINEM EMPFANGS-KNOTEN

Title (fr)

PROCÉDÉ DE COMMUNICATION EN ULTRA-LARGE BANDE ENTRE AU MOINS UN NOEUD ÉMETTEUR ET AU MOINS UN NOEUD RÉCEPTEUR

Publication

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Application

**EP 09783364 A 20090924**

Priority

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Abstract (en)

[origin: WO2010043480A1] The invention relates to a method for the pulse-based ultra-broadband communication between at least one transmitting node (S1, S2) and at least one receiving node (E1, E2). With the method according to the invention, an ultra-broadband signal comprising a plurality of pulses is transmitted from one or more transmitting nodes (S1, S2) to one or more receiving nodes (E1, E2). In the ultra-broadband signal, data are transmitted by pulses (P) having a first pulse rate via a first data transmission and by pulses (P) having a second pulse rate via one or more second data transmissions, wherein a respective second pulse rate is higher than the first pulse rate. The pulses (P) having the second pulse rates are transmitted in intervals, during which no pulses (P) having the first pulse rate are transmitted. The method according to the invention has the advantage that by utilizing time gaps between pulses of the first data transmission, the data of a second data transmission can be transmitted at a higher pulse rate. The transmitting and receiving nodes need not be coordinated explicitly or coordinated from the outside.

IPC 8 full level

**H04B 1/69** (2011.01)

CPC (source: EP US)

**H04B 1/7176** (2013.01 - EP US); **H04B 1/719** (2013.01 - EP US)

Citation (search report)

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