

Title (en)

METHOD FOR WIRELESSLY TRANSMITTING DATA BETWEEN A PLURALITY OF COMMUNICATION UNITS ARRANGED IN A ROTATING COMPONENT AND ROTATING COMPONENT

Title (de)

VERFAHREN ZUR DRAHTLOSEN ÜBERTRAGUNG VON DATEN ZWISCHEN EINER MEHRZAHL VON IN EINEM ROTIERBAREN BAUTEIL ANGEORDNETEN KOMMUNIKATIONSEINHEITEN UND ROTIERBARES BAUTEIL

Title (fr)

PROCÉDÉ DE TRANSMISSION SANS FIL DE DONNÉES ENTRE UNE PLURALITÉ D'UNITÉS DE COMMUNICATION DISPOSÉES DANS UN ÉLÉMENT ROTATIF ET ÉLÉMENT ROTATIF

Publication

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Application

EP 10744517 A 20100810

Priority

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- EP 2010004877 W 20100810

Abstract (en)

[origin: WO2011018204A1] The invention relates to a method for wirelessly transmitting data between at least one communication unit (2) arranged in or on a rotating component (1), having at least one sensor (S) and/or actuator connected to each unit, and at least one base communication unit (4) arranged within radio reception range outside of the rotating component. The invention relates to the transmission of data in the ultra-broad band radio transmission method (UWB) on a frequency spectrum of more than 500 MHz or a frequency bandwidth of more than 0.2 times the average transmission frequency.

IPC 8 full level

H04B 1/69 (2011.01)

CPC (source: EP US)

H04B 1/719 (2013.01 - EP US); **H04B 1/7183** (2013.01 - EP US)

Citation (search report)

See references of WO 2011018204A1

Citation (examination)

"Phd. Thesis", 20 July 2007, SHAKLER VERLAG, Aachen, Germany, ISBN: 978-3-83-226532-8, article CLAUS W. KUPFERSCHMIDT: "Modellierung zyklisch stationärer Kanäle für die funkgestützte Rotortelemetrie", XP055195897

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