

Title (en)

CONTACTLESS COMMUNICATIONS METHOD BASED ON ASYNCHRONOUS MODULATIONS AND DEMODULATIONS

Title (de)

VERFAHREN ZUR KONTAKTLOSEN KOMMUNIKATION AUF DER BASIS ASYNCHRONER MODULATIONEN UND DEMODULATIONEN

Title (fr)

PROCEDE DE COMMUNICATION SANS CONTACT BASE SUR DES MODULATIONS ET DEMODULATIONS ASYNCHRONES

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Application

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Abstract (en)

[origin: WO2006108986A2] The invention relates to a method for exchanging information by inductive coupling or without contact between a reader (2) and a transponder (4), comprising a number of demodulation steps, by the transponder, of a transmission signal coming from the reader, each demodulation step being associated with: a detection of a jump of a parameter of the transmission signal, of a first state to a second state among a set of stable states that the parameter of the transmission signal is capable of adopting; a comparison of the magnitude of the jump and/or of the direction of the jump, at one or more predetermined threshold values; an association with the magnitude of the jump and/or with the direction of the jump, at a value independent of the first state, and; a detection of a stabilization at the second state before another demodulation. The invention also relates to a device for carrying out said method.

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