

Title (en)

PASSIVE CONTACTLESS INTEGRATED CIRCUIT COMPRISING AN ANTENNA IMPEDANCE MODULATION SWITCH WHICH DOES NOT INHIBIT A PRIMARY CHARGE PUMP

Title (de)

PASSIVE KONTAKTLOSE INTEGRIERTE SCHALTUNG MIT EINEM ANTENNENIMPEDANZMODULATIONSSCHALTER, DER EINE PRIMÄRE LADUNGSPUMPE NICHT BEHINDERT

Title (fr)

CIRCUIT INTEGRE SANS CONTACT PASSIF COMPRENANT UN INTERRUPTEUR DE MODULATION D'IMPEDANCE D'ANTENNE N'INHIBANT PAS UNE POMPE DE CHARGE PRIMAIRE

Publication

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Application

EP 06778887 A 20060719

Priority

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- FR 0508982 A 20050902

Abstract (en)

[origin: WO2007028866A1] The invention relates to a method of modulating the impedance of an antenna circuit (ACT, W1, W2) which supplies pumping signals (S1, S2) to a charge pump (PMP) comprising at least a first pumping stage (D1, D2, C1, C2) and a last pumping stage (D5, D6, C5, C6), said last pumping stage supplying a DC voltage (Vcc). According to the invention, the output from the first pumping stage (D1, D2, C1, C2) is short-circuited by means of a switch (SW1) and the last pumping stage continues to pump the electric charges and to supply the DC voltage (Vcc). The invention is particularly suitable for RFID passive transponders.

IPC 8 full level

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See references of WO 2007028866A1

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