Title (en)

ELECTRONIC DEVICE FOR RADIO FREQUENCY IDENTIFICATION AND METHOD FOR ADJUSTING THE RESONANCE FREQUENCY OF SAID ELECTRONIC DEVICE

Title (de)

ELEKTRONISCHE EINRICHTUNG ZUR HOCHFREQUENZIDENTIFIKATION UND VERFAHREN ZUR EINSTELLUNG DER RESONANZFREQUENZ DER ELEKTRONISCHEN EINRICHTUNG

Title (fr)

DISPOSITIF ÉLECTRONIQUE POUR UNE IDENTIFICATION DE RADIO FRÉQUENCE ET PROCÉDÉ D'AJUSTEMENT DE LA FRÉQUENCE DE RÉSONANCE DUDIT DISPOSITIF ÉLECTRONIQUE

Publication

EP 2089837 A1 20090819 (EN)

Application

EP 07822602 A 20071114

Priority

• EP 2007062354 W 20071114
• ES 200603021 A 20061127

Abstract (en)

[origin: WO2008065003A1] Electronic device (1) for radio frequency identification and method for adjusting the resonance frequency of said electronic device comprising a chip (23) equipped at least with at least one modulation capacitor (9), a rectifier (11), a memory unit (13) and a logical control unit (15); a resonant tank (20), connected to said chip, which comprises at least one inductor (2),- and at least one resonance capacitor (3); and a load capacitor (4) for supplying power to said device. Said chip comprises a thick trimming circuit (21) for adjusting the resonance frequency of the device, which comprises a plurality of integrated capacitors (5.1 / 5.m) that can be connected in parallel to the resonance capacitor,- and a thin trimming circuit (22) for adjusting the resonance frequency of the device, which comprises a plurality of integrated capacitors (5m+1 / 5m+n) that can be reversibly connected or disconnected in parallel to the resonance capacitor.

IPC 8 full level

G06K 19/07 (2006.01); **H03J 3/00** (2006.01); **H03J 5/00** (2006.01)

CPC (source: EP ES)

G06K 19/07 (2013.01 - ES); **G06K 19/0723** (2013.01 - EP); **G06K 19/0726** (2013.01 - EP); **H03J 5/244** (2013.01 - EP ES); H03J 2200/10 (2013.01 - EP)

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