Title (en)

RFID LABEL WITH AN ELEMENT FOR REGULATING THE RESONANCE FREQUENCY

Title (de)

RFID-LABEL MIT EINEM ELEMENT ZUR EINSTELLUNG DER RESONANZFREQUENZ

Title (fr)

ETIQUETTE RFID DOTEE D'UN ELEMENT PERMETTANT DE REGLER LA FREQUENCE DE RESONANCE

Publication

EP 1269412 A1 20030102 (DE)

Application

EP 01962432 A 20010207

Priority

- CH 0100085 W 20010207
- CH 5942000 A 20000328

Abstract (en)

[origin: WO0173685A1] The invention relates to an RFID label comprising a resonant circuit consisting of a coil and a capacitor. Said RFID label is provided with an additional element (13, 17, 20, 21) for regulating the resonance frequency of the resonant circuit, this element being applied to the surface of the RFID label after production of the same. The additional element can be especially, a sticker with a conductive layer, which is stuck in such a way that it at least partially overlaps individual conductive surfaces of the label in order to produce an additional capacitance or which is simply stuck into the coil in order to reduce the effective inductance of the coil. Alternatively, the element can be formed by a layer with high relative permittivity which is applied between two conductive surfaces.

IPC 1-7

G06K 19/077; G08B 13/24; G06K 19/067

IPC 8 full level

G06K 19/067 (2006.01); **G06K 19/07** (2006.01); **G06K 19/077** (2006.01); **G08B 13/24** (2006.01); **H03J 1/00** (2006.01)

CPC (source: EP US)

G06K 19/0672 (2013.01 - EP US); **G06K 19/0726** (2013.01 - EP US); **G06K 19/07749** (2013.01 - EP US); **G08B 13/2414** (2013.01 - EP US); **G08B 13/2417** (2013.01 - EP US); **G08B 13/2431** (2013.01 - EP US)

Citation (search report)

See references of WO 0173685A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0173685 A1 20011004; EP 1269412 A1 20030102; JP 2003529163 A 20030930; US 2003169153 A1 20030911; US 6796508 B2 20040928

DOCDB simple family (application)

CH 0100085 W 20010207; EP 01962432 A 20010207; JP 2001571328 A 20010207; US 23979303 A 20030219