

Title (en)

RADIO-FREQUENCY COMMUNICATION DEVICE WHEREOF THE OPERATION IS CONTROLLED BY A DELIBERATE GESTURE BY THE WEARER

Title (de)

HOCHFREQUENZKOMMUNIKATIONSVORRICHTUNG MIT DURCH BELIEBIGE GESTEN DES TRÄGERS GESTEUERTEM BETRIEB

Title (fr)

DISPOSITIF DE COMMUNICATION RADIOFRÉQUENCE DONT LE FONCTIONNEMENT EST CONTRÔLÉ PAR UN GESTE VOLONTAIRE DU PORTEUR

Publication

**EP 2780867 A1 20140924 (FR)**

Application

**EP 12813898 A 20121115**

Priority

- FR 1103471 A 20111115
- FR 2012000460 W 20121115

Abstract (en)

[origin: WO2013072578A1] The invention relates to a portable contactless device consisting of at least two layers, a support layer (311) comprising, on the first face thereof, an antenna (312) formed from a planar winding of turns (310) that intersect each other via an electrically insulating bridge (309), a protective layer adhered to the first face of the support layer; the antenna comprises two cuts and consists of two strands and four ends (321, 322, 323 and 324) including two connection ends (321, 322) for connecting a chip (314). According to the principal feature, the antenna comprises two ends (323, 324) each extended by a pad (333, 334), said pads not being in contact with each other and being separated by a thin space (525) such that the antenna is open, the antenna being closed by the flow of a current between the two pads via the protective layer when a user applies a finger to the protective layer in the region of the pads, thus allowing communication between the chip and a reader connected to the portable contactless device.

IPC 8 full level

**G06K 19/073** (2006.01); **G06K 19/077** (2006.01); **H03K 17/96** (2006.01)

CPC (source: EP US)

**G06K 19/07345** (2013.01 - EP US); **G06K 19/0775** (2013.01 - US); **G06K 19/07783** (2013.01 - EP US); **H03K 17/962** (2013.01 - EP US)

Citation (search report)

See references of WO 2013072578A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**FR 2982687 A1 20130517**; BR 112014011324 A2 20170509; CN 104040563 A 20140910; EP 2780867 A1 20140924; HK 1201961 A1 20150911; JP 2015502600 A 20150122; KR 20140101734 A 20140820; MX 2014005920 A 20140619; RU 2014124151 A 20151227; SG 11201402295T A 20140926; TW 201333831 A 20130816; TW I574210 B 20170311; US 2013134224 A1 20130530; US 8870075 B2 20141028; WO 2013072578 A1 20130523; ZA 201403418 B 20150729

DOCDB simple family (application)

**FR 1103471 A 20111115**; BR 112014011324 A 20121115; CN 201280064261 A 20121115; EP 12813898 A 20121115; FR 2012000460 W 20121115; HK 15102419 A 20150312; JP 2014540532 A 20121115; KR 20147013059 A 20121115; MX 2014005920 A 20121115; RU 2014124151 A 20121115; SG 11201402295T A 20121115; TW 101142774 A 20121115; US 201213678016 A 20121115; ZA 201403418 A 20140513