

Title (en)

RADIOFREQUENCY LOCAL COMMUNICATION INTERFACE BETWEEN A MOBILE PHONE AND A CONTACTLESS READER

Title (de)

LOKALE RF-KOMMUNIKATIONSSCHNITTSTELLE ZWISCHEN EINEM MOBILTELEFON UND EINEM KONTAKTLOSEN LESEGERÄT

Title (fr)

INTERFACE DE COMMUNICATION RADIOFRÉQUENCE LOCALE ENTRE UN TÉLÉPHONE MOBILE ET UN LECTEUR SANS CONTACT

Publication

EP 2097989 A1 20090909 (FR)

Application

EP 07872414 A 20071220

Priority

- FR 2007002129 W 20071220
- FR 0611190 A 20061220

Abstract (en)

[origin: FR2910746A1] The interface has antennas (12, 14) arranged on a contactless smart card (11) i.e. subscriber identity module card, and integrated into a mobile communication support (1) e.g. mobile telephone, which conforms to global system for mobile communications (GSM). Another antenna (15) is integrated with the mobile communication support and connected to the antennas (12, 14) by inductive coupling to allow the smart card directly communicating with a non-contact reader (24) by radio frequency without using a wireless telecommunication network.

IPC 8 full level

H04B 1/59 (2006.01); **H04B 5/48** (2024.01)

CPC (source: EP KR US)

G06K 7/0008 (2013.01 - EP US); **G06K 7/10178** (2013.01 - EP US); **H01Q 1/2208** (2013.01 - EP US); **H01Q 1/241** (2013.01 - EP US); **H04B 1/3816** (2013.01 - KR); **H04B 5/24** (2024.01 - KR); **H04B 5/26** (2024.01 - EP US); **H04B 5/77** (2024.01 - KR); **H04M 1/72412** (2021.01 - EP US); **H04M 2250/14** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2910746 A1 20080627; **FR 2910746 B1 20090123**; EP 2097989 A1 20090909; JP 2010514307 A 20100430; KR 20100043031 A 20100427; KR 20150039874 A 20150413; US 2010022273 A1 20100128; US 8644880 B2 20140204; WO 2008096059 A1 20080814; WO 2008096059 A8 20100304

DOCDB simple family (application)

FR 0611190 A 20061220; EP 07872414 A 20071220; FR 2007002129 W 20071220; JP 2009542137 A 20071220; KR 20097015142 A 20071220; KR 20157007604 A 20071220; US 52046107 A 20071220