

Title (en)

CONTACT-FREE DISPLAY PERIPHERAL DEVICE FOR CONTACT-FREE PORTABLE OBJECT

Title (de)

KONTAKLOSE ANZEIGPERIPHERIEGERÄT FÜR EINE TRAGBARE KONTAKLOSE GEGENSTAND

Title (fr)

DISPOSITIF PERIPHERIQUE D'AFFICHAGE SANS CONTACT POUR OBJET PORTABLE SANS CONTACT

Publication

**EP 1295248 A1 20030326 (FR)**

Application

**EP 01949522 A 20010626**

Priority

- FR 0102010 W 20010626
- FR 0008438 A 20000629

Abstract (en)

[origin: WO0201496A1] The invention concerns a display peripheral device for contact-free portable object such as a smart card (10) for displaying data concerning the use of said portable object. Said peripheral device comprises a chip, display means (16) and power and data receiving means (18), not connected by ohmic contact to the portable object. Said reception means is a planar winding serving as secondary of a transformer whereof the primary consists of an antenna (14) of the portable object, when the latter receives power and data, coming from a reader of the portable object, by electromagnetic coupling.

IPC 1-7

**G06K 19/077**

IPC 8 full level

**B42D 25/305** (2014.01); **G02F 1/13** (2006.01); **G06K 19/07** (2006.01); **G06K 19/077** (2006.01)

CPC (source: EP KR US)

**G06K 7/10178** (2013.01 - EP US); **G06K 19/077** (2013.01 - KR); **G06K 19/07703** (2013.01 - EP US); **G06K 19/07749** (2013.01 - EP US); **G06Q 20/201** (2013.01 - EP US)

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 0201496 A1 20020103**; AU 7065901 A 20020108; CA 2382083 A1 20020103; CA 2382083 C 20100316; CN 1175376 C 20041110; CN 1383526 A 20021204; EP 1295248 A1 20030326; FR 2811108 A1 20020104; FR 2811108 B1 20020927; HK 1051590 A1 20030808; IL 147979 A0 20020912; IL 147979 A 20110831; JP 2004502246 A 20040122; JP 4861595 B2 20120125; KR 100833331 B1 20080529; KR 20020042656 A 20020605; TW 550516 B 20030901; US 2002105065 A1 20020808; US 6799721 B2 20041005

DOCDB simple family (application)

**FR 0102010 W 20010626**; AU 7065901 A 20010626; CA 2382083 A 20010626; CN 01801867 A 20010626; EP 01949522 A 20010626; FR 0008438 A 20000629; HK 03103728 A 20030527; IL 14797901 A 20010626; IL 14797902 A 20020204; JP 2002506556 A 20010626; KR 20027002459 A 20020225; TW 90114530 A 20010615; US 6937702 A 20020225