Title (en)

INDUCTIVE POWER TRANSMISSION DEVICE

Title (de)

INDUKTIVE STROMÜBERTRAGUNGSVORRICHTUNG

Title (fr)

DISPOSITIF DE TRANSMISSION DE PUISSANCE INDUCTIF

Publication

EP 2756579 A2 20140723 (FR)

Application

EP 12769451 A 20120911

Priority

- FR 1102761 A 20110912
- FR 2012000358 W 20120911

Abstract (en)

[origin: WO2013038074A2] The invention relates to a single device (500) combining the functions of an inductive power transmitter for recharging a mobile device and of near-field data communication (NFC) with said mobile device. Said device comprises at least the following elements: a) an inductive power transmission module (500) for transmitting power to a mobile device (600), including: a power transmission coil (110); a first device (120) for communicating between the power transmission module and the mobile device; and a device (130) for monitoring the charge of the mobile device; b) a second near-field communication device including: a data transmission coil (310); a second device (320) for communicating between the data transmission module and the mobile device; and a device (330) for controlling the exchanges of information with the mobile device; and c) a base (502) for receiving the mobile device.

IPC 8 full level

H02J 7/02 (2006.01); **B60R 11/02** (2006.01)

CPC (source: EP US)

H02J 50/10 (2016.02 - EP US); **H02J 50/80** (2016.02 - US); **H04B 5/79** (2024.01 - EP US); H02J 7/0042 (2013.01 - EP US)

Citation (search report)

See references of WO 2013038074A2

Citation (examination)

- JP 2010284065 A 20101216 - NEC TOKIN CORP
- WO 2010106629 A1 20100923 - MITSUBISHI ELECTRIC CORP [JP], et al & US 2011285212 A1 20111124 - HIGUMA TOSHIYASU [JP], et al
- EP 2284849 A1 20110216 - MITSUBISHI ELECTRIC CORP [JP]

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 2980055 A1 20130315; **FR 2980055 B1 20131227**; CN 103931074 A 20140716; EP 2756579 A2 20140723; JP 2014526866 A 20141006; US 2014346860 A1 20141127; WO 2013038074 A2 20130321; WO 2013038074 A3 20130718

DOCDB simple family (application)

FR 1102761 A 20110912; CN 201280055436 A 20120911; EP 12769451 A 20120911; FR 2012000358 W 20120911; JP 2014529044 A 20120911; US 201214344280 A 20120911