

Title (en)

Device and method for contact-free energy and data transfer

Title (de)

Vorrichtung und Verfahren zur kontaktlosen Energie- und Datenübertragung

Title (fr)

Procédé et dispositif destinés à la transmission de données et d'énergie sans contact

Publication

**EP 2083407 B1 20120516 (DE)**

Application

**EP 08001422 A 20080125**

Priority

EP 08001422 A 20080125

Abstract (en)

[origin: EP2083407A1] The device (1) has a primary unit (2) with a control device (10) and a decay accelerator (14) for interrupting an energy transmission over a transformer coupling distance in energy transmission intervals. A secondary unit (3) has an interval detector (17) for detecting the intervals. The primary unit transmits data to the secondary unit by varying length of the intervals and/or length of energy transmission phase. The secondary unit has a central processing device (21) e.g. microcontroller, for transmitting the data to the primary unit over the coupling distance in the intervals. An independent claim is also included for a method for contactless transmission of energy and data between a primary unit and a secondary unit.

IPC 8 full level

**G08C 17/04** (2006.01); **H01F 38/14** (2006.01); **H01F 38/18** (2006.01)

CPC (source: EP US)

**H01F 38/14** (2013.01 - EP US); **H01F 38/18** (2013.01 - EP US); **H01F 2038/143** (2013.01 - EP US)

Cited by

US10044094B2; WO2018192893A1; WO2019134720A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 2083407 A1 20090729**; **EP 2083407 B1 20120516**; US 2009189459 A1 20090730; US 8198755 B2 20120612

DOCDB simple family (application)

**EP 08001422 A 20080125**; US 35949509 A 20090126