

Title (en)

INDUCTIVE CONTACTLESS ENERGY AND DATA TRANSMISSION SYSTEM

Title (de)

INDUKTIVES KONTAKTLOSES ENERGIE- UND DATENÜBERTRAGUNGSSYSTEM

Title (fr)

SYSTÈME INDUCTIF DE TRANSMISSION SANS CONTACT DE DONNÉES ET D'ÉNERGIE

Publication

**EP 2601749 A1 20130612 (DE)**

Application

**EP 12715638 A 20120328**

Priority

- DE 102011103318 A 20110527
- EP 2012055515 W 20120328

Abstract (en)

[origin: WO2012163565A1] The invention relates to an inductive contactless energy and data transmission system (1), having a primary coil arrangement and a secondary coil arrangement, wherein both the primary and the secondary coil arrangement are each provided with at least one coil (3, 7) for transmitting energy and at least one coil (4, 6) for transmitting data, characterized in that the primary and secondary coils (3, 7) for transmitting energy are each configured with a single winding sense, and in that the coils (4, 6) for transmitting data are coil arrangements, which are each provided with at least two coil fields (4a, 4b, 4c, 4d).

IPC 8 full level

**H04B 5/48** (2024.01)

CPC (source: EP KR US)

**H02J 50/005** (2020.01 - KR); **H02J 50/10** (2016.02 - EP KR US); **H02J 50/90** (2016.02 - EP KR US); **H04B 5/263** (2024.01 - EP KR US); **H04B 5/266** (2024.01 - EP); **H04B 5/79** (2024.01 - EP KR US); **H04B 5/72** (2024.01 - EP US)

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)

**WO 2012163565 A1 20121206**; DE 102011103318 A1 20121213; EP 2601749 A1 20130612; JP 2014517615 A 20140717; KR 20140025323 A 20140304; US 2013300211 A1 20131114

DOCDB simple family (application)

**EP 2012055515 W 20120328**; DE 102011103318 A 20110527; EP 12715638 A 20120328; JP 2014511788 A 20120328; KR 20137017034 A 20120328; US 201213976201 A 20120328