

Title (en)

COIL ASSEMBLY FOR INDUCTIVE ENERGY TRANSMISSION, INDUCTIVE ENERGY-TRANSMISSION DEVICE, AND METHOD FOR PRODUCING A COIL ASSEMBLY FOR INDUCTIVE ENERGY TRANSMISSION

Title (de)

SPULENANORDNUNG ZUR INDUKTIVEN ENERGIEÜBERTRAGUNG, INDUKTIVE ENERGIEÜBERTRAGUNGSVORRICHTUNG UND VERFAHREN ZUM HERSTELLEN EINER SPULENANORDNUNG ZUR INDUKTIVEN ENERGIEÜBERTRAGUNG

Title (fr)

ENSEMBLE DE BOBINES POUR UNE TRANSMISSION D'ÉNERGIE PAR INDUCTION, DISPOSITIF DE TRANSMISSION D'ÉNERGIE PAR INDUCTION ET PROCÉDÉ DE FABRICATION D'UN ENSEMBLE DE BOBINES POUR LA TRANSMISSION D'ÉNERGIE PAR INDUCTION

Publication

EP 3207613 A1 20170823 (DE)

Application

EP 15744192 A 20150728

Priority

- DE 102014220978 A 20141016
- EP 2015067275 W 20150728

Abstract (en)

[origin: WO2016058719A1] The invention relates to a coil assembly (1) for inductive energy transmission, comprising: an electrically non-conductive substrate (2), which has a first side (10) and a second side (11); a plurality of conducting tracks (30), which are arranged on the first side (10) and on the second side (11) of the substrate (2) and which form a coil (50) for inductive energy transmission; a plurality of vias (4) in the substrate (2) for feeding the conducting tracks (30) through the substrate (2); wherein at least two of the plurality of conducting tracks (30) are arranged in a twisted manner in relation to each other in the substrate (2). The invention further relates to an energy transmission device and to a method for producing a coil assembly (1) for inductive energy transmission.

IPC 8 full level

H02J 5/00 (2016.01); **H01F 5/00** (2006.01)

CPC (source: CN EP KR US)

H01F 27/2804 (2013.01 - EP KR US); **H01F 27/34** (2013.01 - EP KR US); **H01F 27/40** (2013.01 - EP KR US); **H01F 29/02** (2013.01 - EP KR US); **H01F 38/14** (2013.01 - EP KR US); **H01F 41/041** (2013.01 - US); **H02J 5/005** (2023.08 - CN); **H02J 50/005** (2020.01 - EP US); **H02J 50/10** (2016.02 - CN US); **H02J 50/23** (2016.02 - EP KR US); **B60L 53/12** (2019.01 - EP US); **H01F 2027/2809** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2016058719A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102014220978 A1 20160421; CN 107078552 A 20170818; EP 3207613 A1 20170823; JP 2017534175 A 20171116; KR 20170071488 A 20170623; US 2017243691 A1 20170824; WO 2016058719 A1 20160421

DOCDB simple family (application)

DE 102014220978 A 20141016; CN 201580056266 A 20150728; EP 15744192 A 20150728; EP 2015067275 W 20150728; JP 2017520518 A 20150728; KR 20177009365 A 20150728; US 201515519267 A 20150728