

Title (en)
ENERGY TRANSMISSION SYSTEM WITH A MODULE THAT CAN BE INDUCTIVELY COUPLED TO A PRIMARY CONDUCTOR SYSTEM

Title (de)
ENERGIEÜBERTRAGUNGSSYSTEM MIT EINEM AN EIN PRIMÄRLEITERSYSTEM INDUKTIV KOPPELBAREN MODUL

Title (fr)
SYSTÈME DE TRANSFERT D'ÉNERGIE COMPRENANT UN MODULE QUI PEUT ÊTRE COUPLÉ INDUCTIVEMENT À UN SYSTÈME DE CONDUCTEURS PRIMAIRES

Publication
EP 2828869 A1 20150128 (DE)

Application
EP 13707549 A 20130227

Priority
• DE 102012005528 A 20120321
• EP 2013000569 W 20130227

Abstract (en)
[origin: WO2013139428A1] Energy transmission system with a module that can be inductively coupled to a primary conductor system, particularly wherein the primary conductor system comprises a live conductor and a return conductor, wherein the module has a bottom part and a top part, wherein the top part can be mounted on the bottom part and connected thereto, wherein the bottom part has a circuit board populated with electronic components, wherein a ferrite core section is arranged on the circuit board, particularly wherein the ferrite core section is adhesively connected to said circuit board, wherein a secondary winding is connected to said circuit board, and the ferrite core section together with a further ferrite core section forms a coil core of the secondary winding, wherein the further ferrite core section and a receiving area for the primary conductor system, particularly for a section of the primary conductor system, is arranged in the top part.

IPC 8 full level
H01F 38/14 (2006.01)

CPC (source: EP)
H01F 38/14 (2013.01)

Citation (search report)
See references of WO 2013139428A1

Cited by
WO2023202881A1

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 102012005528 A1 20130926; DE 102012005528 B4 20230928; EP 2828869 A1 20150128; EP 2828869 B1 20200408;
WO 2013139428 A1 20130926

DOCDB simple family (application)
DE 102012005528 A 20120321; EP 13707549 A 20130227; EP 2013000569 W 20130227