

Title (en)

COUPLING DEVICE AND METHOD FOR INDUCTIVELY COUPLING A LOAD TO A POWER LINE

Title (de)

KOPPLUNGSVORRICHTUNG UND VERFAHREN ZUM INDUKTIVEN KOPPELN EINER LAST AN EINE STROMLEITUNG

Title (fr)

DISPOSITIF DE COUPLAGE ET PROCÉDÉ DE COUPLAGE INDUCTIF D'UNE CHARGE SUR UNE LIGNE D'ALIMENTATION

Publication

EP 3425649 A1 20190109 (EN)

Application

EP 18180073 A 20180627

Priority

NL 2019165 A 20170703

Abstract (en)

The invention relates to a coupling device and a method for coupling a load to a power line and for inductively transferring electrical power between the power line and the load, wherein the coupling device comprises a first coupling member and a second coupling member which are arranged to be mated in a coupled position at opposite sides of a first mating plane, wherein the first coupling member and the second coupling member are arranged for holding a first transformer part and a second transformer part, respectively, which in the coupled position form a transformer core for receiving the power line, wherein the power line comprises a first insulated, electrically conductive wire and a second insulated, electrically conductive wire, wherein the coupling device is arranged for receiving a first length and a second length of each of the first wire and the second wire through the transformer core.

IPC 8 full level

H01F 27/26 (2006.01); **H01F 38/14** (2006.01)

CPC (source: EP)

H01F 27/263 (2013.01); **H01F 38/14** (2013.01)

Citation (search report)

- [A] EP 3171377 A1 20170524 - USE SYSTEM ENG HOLDING B V [NL]
- [A] GB 2497428 A 20130612 - ISOTERA LTD [GB]
- [A] US 3549990 A 19701222 - HOCHHEISER JEROME S

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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)

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