

Title (en)

METHOD FOR THE WIRELESS AND CONTACTLESS TRANSPORT OF ENERGY AND DATA, AND CORRESPONDING DEVICE

Title (de)

VERFAHREN ZUM DRAHT- UND BERÜHRUNGSLOSEN ENERGIE- UND DATENTRANSPORT SOWIE ZUGEHÖRIGE VORRICHTUNG

Title (fr)

PROCEDE DE TRANSPORT SANS FIL ET SANS CONTACT D'ENERGIE ET DE DONNEES, ET DISPOSITIF CORRESPONDANT

Publication

EP 1532643 A1 20050525 (DE)

Application

EP 03790754 A 20030827

Priority

- DE 0302854 W 20030827
- DE 10240080 A 20020830

Abstract (en)

[origin: WO2004021376A1] In installations comprising fixed and mobile structural elements and a rotary current motor as a drive, the rotary current motor can be used for the wireless transmission of both energy and/or data. The transmission from the fixed structural elements to the mobile structural elements of the rotary current motor is especially inductive. In the corresponding device comprising a rotary current motor consisting of a stator (10, 10') and a secondary element (20, 20'), the secondary element (20, 20') is not embodied as a solid conductor with or without a laminated core, according to prior art, but rather as a laminated core comprising integrated windings (21 to 23) which is the same as, or similar to, the stator (10, 10').

IPC 1-7

H01F 38/18

IPC 8 full level

H02J 17/00 (2006.01); **H01F 38/18** (2006.01); **H02P 25/06** (2006.01); **H02P 27/06** (2006.01)

CPC (source: EP US)

H01F 38/18 (2013.01 - EP US)

Citation (search report)

See references of WO 2004021376A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 2004021376 A1 20040311; DE 10240080 A1 20040311; EP 1532643 A1 20050525; JP 2005536978 A 20051202; US 2005225188 A1 20051013; US 7432622 B2 20081007

DOCDB simple family (application)

DE 0302854 W 20030827; DE 10240080 A 20020830; EP 03790754 A 20030827; JP 2004531722 A 20030827; US 52582505 A 20050225