

Title (en)

ENERGY TRANSFER SYSTEM FOR A THREE-PHASE CURRENT IN THE AVERAGE AND A HIGH TENSION RANGE

Title (de)

ENERGIEÜBERTRAGUNGSSYSTEM FÜR DREHSTROM IM MITTEL- UND HOCHSPANNUNGSBEREICH

Title (fr)

SYSTEME DE TRANSFERT D'ENERGIE POUR COURANT TRIPHASE DANS LE DOMAINE MOYENNE ET HAUTE TENSION

Publication

EP 1340298 A1 20030903 (DE)

Application

EP 01270003 A 20011120

Priority

- DE 10060923 A 20001207
- EP 0113439 W 20011120

Abstract (en)

[origin: WO0247231A1] The invention relates to an energy transfer system for three-phase current in the average and a high tension range, comprising at least one conductive piece which has at least three cylindrical conductors which are electrically insulated from each other and arranged in a concentric manner. The aim of the invention is to produce an energy transfer system which does not produce magnetic fields in an external area and which has low installation costs. According to the invention, at least one connector part can be connected to the at least one conductive part, in order to link or branch said conductive parts. The connector piece (40) is provided with corresponding cylindrically arranged conductors (41, 42, 43) which are insulated from each other, whereby the diameters thereof correspond to the diameters of the cylindrical conductors (21, 22, 23) in the conductive part (20) in such a way that they can slid in an electrical contacting manner similar to that of a sliding bushing for connection onto a corresponding respective cylindrical conductor of the conductive part. All conductors (21, 22, 23, 41, 42, 43) are embodied as tube gas conductors for insulation with insulating gas. The sliding connection of the outer lying cylindrical conductors (23, 43) is embodied as a gastight connection.

IPC 1-7

H02G 5/06

IPC 8 full level

H02B 13/02 (2006.01); **H02G 5/06** (2006.01)

CPC (source: EP US)

H02G 5/063 (2013.01 - EP US); **H02G 5/066** (2013.01 - EP US)

Citation (search report)

See references of WO 0247231A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0247231 A1 20020613; DE 10060923 C1 20030410; EP 1340298 A1 20030903; JP 2004515998 A 20040527; US 2004074664 A1 20040422

DOCDB simple family (application)

EP 0113439 W 20011120; DE 10060923 A 20001207; EP 01270003 A 20011120; JP 2002548841 A 20011120; US 43395703 A 20031027