

Title (en)

High voltage rotary current system and shielded single wire rotary current cable for the system

Title (de)

Hochspannungsdrehstromsystem und einadrige Drehstromkabel mit Schirmung für das System

Title (fr)

Système triphasé haute tension et câble triphasé mono-conducteur doté d'un blindage pour le système

Publication

**EP 2259271 A3 20120620 (DE)**

Application

**EP 10005479 A 20100527**

Priority

- DE 102009024149 A 20090606
- DE 102010006352 A 20100130

Abstract (en)

[origin: EP2259271A2] The arrangement has a metal shield (20) radially enclosing a single-conductor electrical cable and arranged above the cable. An uninterrupted tooth banding (22) made of high-permeable material encloses the metal shield. The metal shield comprises a contact unit at ends of the shield for contacting the shield. The metal shield is formed with enlarged electrical conductance value to reduce electrical leakage at the metal shield, so that shield current is induced. The shield current is same as conductor current of a cable conductor (12) during marginal case.

IPC 8 full level

**H01B 7/30** (2006.01); **H01B 9/02** (2006.01)

CPC (source: EP)

**H01B 7/30** (2013.01); **H01B 9/029** (2013.01)

Citation (search report)

- [X] EP 1783877 A2 20070509 - GEO GES FUER EN UND OEKOLOGIE [DE]
- [A] EP 0938101 A2 19990825 - CIT ALCATEL [FR]

Cited by

CN103531296A

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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

**EP 2259271 A2 20101208; EP 2259271 A3 20120620; EP 2259271 B1 20130508**; DK 2259271 T3 20130812; ES 2421733 T3 20130905

DOCDB simple family (application)

**EP 10005479 A 20100527**; DK 10005479 T 20100527; ES 10005479 T 20100527