

Title (en)

THREE CORE POWER CABLES WITH SURROUNDING PLASTIC FILLER

Title (de)

DREIADRIGE STROMKABEL MIT UMGEBENDEM KUNSTSTOFFFÜLLER

Title (fr)

CÂBLES D'ALIMENTATION TRIPOLAIRES AVEC CHARGE PLASTIQUE ENVIRONNANTE

Publication

**EP 3244422 A1 20171115 (EN)**

Application

**EP 16305537 A 20160509**

Priority

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Abstract (en)

A power cable having the components of a traditional three-core, steel wire armored power cable, but eliminating the metallic armoring wires. Impact resistance is provided by extruded plastic fillers (3) that are arranged to fill the interstices between conductors, and surround the conductors. The plastic fillers comprise an interstices-filling central portion (12) and two outwardly extending curved wing portions (13). The wing portions have a length and shape such that ends of adjacent wing portions abut one another and form a barrier between the intermediate core and the outer covering. The curved inner surface of the wing portions, together with curved inner surfaces of the interstices-filling central portion form semi-circular or mostly circular channels with which are positioned the cores.

IPC 8 full level

**H01B 7/18** (2006.01)

CPC (source: EP)

**H01B 7/1895** (2013.01)

Citation (applicant)

WO 2015040488 A2 20150326 - RHODIA OPERATIONS [FR]

Citation (search report)

[X] WO 2014202141 A1 20141224 - ABB TECHNOLOGY LTD [CH]

Citation (third parties)

Third party : Alastair Blake

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- WO 2005124095 A1 20051229 - AKER KVAERNER SUBSEA AS [NO], et al
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NO20211281A1; CN117976302A; US11978575B2; EP3848944A1; US11177054B2; IT20200000343A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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