

Title (en)

Shielded electrical harness, in particular for an airplane engine

Title (de)

Elektrischer abgeschirmter Kabelbaum, insbesondere für Flugzeugmotor

Title (fr)

Harnais électrique blindé, en particulier pour moteur d'avion

Publication

EP 1858116 A1 20071121 (FR)

Application

EP 07290601 A 20070511

Priority

FR 0604487 A 20060519

Abstract (en)

The harness has conductive elements with connectors/branches at its ends, where each element has an electrically conducting wire (20) mounted in a tubular structure (22) of protection and shield. The structure has a sheath (28) with ringed structure, surrounding a metallic tubular braid (26) of the shield. An end of the sheath is fixed to a cylindrical end fitting (30) of thermo-retractable material. The end fitting fixes the sheath on the connector, and locks and fixes an end of the braid on a cylindrical piece (32) of the connector by intermediate of a metallic band (36).

Abstract (fr)

Harnais électrique blindé et étanche pour moteur d'avion, comprenant des conducteurs (20) logés dans une structure tubulaire (22) de protection et de blindage, constituée d'une tresse tubulaire textile interne (24), d'une tresse tubulaire métallique intermédiaire (26) de blindage électromagnétique et d'une gaine externe (28) annelée, dont l'extrémité est collée sur un embout thermo-rétractable (30) de fixation sur une partie d'un connecteur ou d'une dérivation.

IPC 8 full level

H01R 4/72 (2006.01); **H01R 13/646** (2011.01); **H01R 13/658** (2011.01)

CPC (source: EP US)

H01R 4/72 (2013.01 - EP US); **H01R 13/6584** (2013.01 - EP US); **H01R 13/6598** (2013.01 - EP US); **H01R 13/533** (2013.01 - EP US); **H01R 13/6471** (2013.01 - EP US); **H01R 13/658** (2013.01 - EP US); **H01R 13/6592** (2013.01 - EP US); **H01R 24/564** (2013.01 - EP US); **H01R 2107/00** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 07290601 A 20070511; AT 07290601 T 20070511; BR PI0702343 A 20070518; CA 2588954 A 20070517; CN 200710107033 A 20070517; DE 602007002945 T 20070511; ES 07290601 T 20070511; FR 0604487 A 20060519; IL 18322807 A 20070515; JP 2007132403 A 20070518; MA 29908 A 20070517; MX 2007005966 A 20070517; RU 2007118603 A 20070518; UA A200705432 A 20070517; US 74885307 A 20070515