

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)

**EP 1858116 A1 20071121**; **EP 1858116 B1 20091028**; AT E447246 T1 20091115; BR PI0702343 A 20080115; CA 2588954 A1 20071119; CA 2588954 C 20140708; CN 100595977 C 20100324; CN 101075708 A 20071121; DE 602007002945 D1 20091210; ES 2335241 T3 20100323; FR 2901423 A1 20071123; FR 2901423 B1 20101126; IL 183228 A0 20070920; IL 183228 A 20121031; JP 2007311356 A 20071129; JP 5239067 B2 20130717; MA 29900 B1 20081103; MX 2007005966 A 20081208; RU 2007118603 A 20081127; RU 2406172 C2 20101210; UA 91840 C2 20100910; US 2007270037 A1 20071122; US 7687714 B2 20100330

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