

Title (en)

Wire connector assembly including splice elements for fluid environments and method of making same

Title (de)

Drahtsteckverbinderanordnung mit Spleißelementen für Flüssigkeitsumgebungen und Herstellungsverfahren dafür

Title (fr)

Ensemble connecteur de câble comprenant des éléments d'épissure pour environnements de fluide et procédés de fabrication de celui-ci

Publication

**EP 2763242 A1 20140806 (EN)**

Application

**EP 14153689 A 20140203**

Priority

US 201313757201 A 20130201

Abstract (en)

A wire connector assembly (10) configured to inhibit leakage of fluids between two distinct environments and a method of constructing same is presented. The assembly (10) includes insulated wire cables (26a-26d, 28a-28d) having ends that are spaced apart and joined by a wire splice element (32a-32d) within a connector body (30), thereby interrupting a fluid leak path through the strands of the wire cables (26a-26d, 28a-28d). The connector body (30) may be over-molded the wire splice elements (32a-32d) and a portion of connector body (30) may be disposed intermediate to the ends of the wire cables (26a-26d, 28a-28d), providing an additional physical barrier to the fluid leak path. The wire splice element (32a-32d) may include wire crimp wings that are crimped to the ends of the wire cable (26a-26d, 28a-28d). The wire splice elements (32) may also include insulation crimp wings that may be crimped to the insulation to prevent insulation on the wire cables (26a-26d, 28a-28d) from pulling back and exposing wire strands.

IPC 8 full level

**H01R 4/18** (2006.01); **H01R 4/70** (2006.01); **H01R 13/405** (2006.01); **H01R 13/52** (2006.01); **H01R 13/523** (2006.01); **H01R 43/00** (2006.01); **H01R 107/00** (2006.01)

CPC (source: EP)

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Citation (search report)

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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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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