

Title (en)
Subsea electrical fuse

Title (de)
Elektrische Unterwassersicherung

Title (fr)
Fusible électrique sous-marin

Publication
EP 2492947 A1 20120829 (EN)

Application
EP 11155413 A 20110222

Priority
EP 11155413 A 20110222

Abstract (en)
A subsea electrical fuse (10) is provided. The fuse (10) is adapted to be operated in a pressurized environment. The fuse (10) is provided by a section of conductor trace (11) on a printed circuit board (12). The conductor trace section (11) comprises a first connection section (13) and a second connection section (14) for electrically contacting the fuse (10). Furthermore, at least one fuse element (15) provides an electrical connection between the first connection section (13) and the second connection section (14) of the fuse (10). The fuse element (15) is adapted to melt if an electric current through the fuse element (15) exceeds a threshold current, thereby interrupting the electrical connection that the fuse element (15) provides between the first (13) and second (14) connection sections.

IPC 8 full level
H01H 85/046 (2006.01); **H01H 85/46** (2006.01); **H01H 85/40** (2006.01)

CPC (source: EP)
H01H 85/046 (2013.01); **H01H 85/463** (2013.01); **H01H 85/40** (2013.01)

Citation (search report)

- [XYI] WO 2006032060 A2 20060323 - LITTELFUSE INC [US], et al
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- [XA] WO 9912178 A1 19990311 - WICKMANN WERKE GMBH [DE], et al
- [Y] GB 1600095 A 19811014 - TRW INC
- [A] GB 329638 A 19300521 - COLIN EDWARD CRUTTWELL

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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)
EP 2492947 A1 20120829; EP 2492947 B1 20160928

DOCDB simple family (application)
EP 11155413 A 20110222