

Title (en)
SUBSEA FUSE DEVICE

Title (de)
UNTERSEESICHERUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE FUSIBLE SOUS-MARIN

Publication
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Application
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Priority
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Abstract (en)
[origin: EP3355335A1] The present invention relates to a subsea fuse device and a subsea device comprising such subsea fuse device. In more detail, the present invention relates a subsea fuse device (100, 200) exposed to a high ambient pressure when deployed, comprising a fuse housing and a fuse wire comprising a first end section (102, 202), a second end section (103, 203), and a central section (104, 204, 404). The fuse housing comprises a pressure-resistant outer envelope (101, 201) made of an isolating material enclosing a low-pressure hollow space (107, 207), a first metalized feedthrough (105, 205) and a second metalized feedthrough (106, 206) which is electrically isolated from the first feedthrough (105, 205) by the outer envelope. The central section (104, 204) of the fuse wire is arranged within the low-pressure hollow space (107, 207). The end sections of the fuse wire extend through the metalized feedthroughs, and the metalized feedthroughs are electrically and mechanically connected to the end sections of the fuse wire thereby sealing the feedthroughs.

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