

Title (en)

Self separating pyrotechnic connector having sealed parts.

Title (de)

Automatisch trennbarer pyrotechnischer Verbinder mit abgedichteten Teilstücken.

Title (fr)

Raccord pyrotechnique à parties étanches et autolargables.

Publication

EP 0030498 A1 19810617 (FR)

Application

EP 80401716 A 19801201

Priority

FR 7930062 A 19791207

Abstract (en)

1. Self-separating pyrotechnic connector having sealed parts for transmitting a pyrotechnic signal from a first to a second pyrotechnic chain, comprising a first, donor, relay (10) and a second, receiver, relay (14), and means for holding the bases of the donor relay (10) and the receiver relay (14) in contact with one another, characterized in that the donor relay (10) has a sealed base (24) primed with a first reinforcing relay (8) located at the end of the first pyrotechnic chain (4), the assembly being fixed to a first separable structure member (29), the receiver relay (14) comprising a sealed base (26) which primes a second reinforcing relay (12) located at the end of the second pyrotechnic chain (6), the assembly being fixed to a second separable structure member (31), and the donor (10) and receiver (14) relays being engaged face-to-face in a bore of an internal positioning member (16), the bases (24 and 26) of said relays being in contact, the connector comprising means to ensure sealing between said donor (10) and receiver (14) relays and said internal positioning member (16), and means to ensure sealing between each of said donor (10) and receiver (14) relays and the exterior of the pyrotechnic connector.

Abstract (fr)

Un raccord pyrotechnique parties étanches permet la transmission d'un signal pyrotechnique sans pollution du milieu ambiant. Il est constitué par deux relais pyrotechniques étanches (10 et 14) montés en bout des deux chaînes de transmission (4 et 6) et susceptibles d'être séparés sans nuisances pour le milieu ambiant, le premier relais (10) délivrant un signal de détonation qui transite sous forme d'onde de choc travers les fonds (24 et 26) des relais et amorce la charge explosive du second relais (14). Application à la transmission d'un signal pyrotechnique, en particulier dans des ensembles structuraux de liaison ou de séparation.

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F42D 1/04

IPC 8 full level

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CPC (source: EP)

F42D 1/04 (2013.01); **F42D 1/043** (2013.01)

Citation (search report)

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