

Title (en)

Device for provisionally connecting and pyrotechnically separating two elements, with no rupture

Title (de)

Vorrichtung zur provisorischen Verbindung und zum pyrotechnischen Trennen von zwei Elementen, ohne Bruch

Title (fr)

Dispositif de liaison provisoire et de séparation pyrotechnique de deux éléments, sans rupture

Publication

EP 1355120 B1 20060621 (FR)

Application

EP 03101062 A 20030417

Priority

FR 0204927 A 20020419

Abstract (en)

[origin: EP1355120A1] The temporary connector (10) for two components (12, 14) consists of a linking piece (18) with a base section (38) fastened to one of the components e.g. by bolts (30) and nuts (44), and active portions (40) covering a recess (20) containing a pyrotechnic expansion tube (16). The active portions are deformable and have hook-shaped ends engaging with a groove (36) in the second component (14) to form a pressure coupling. The detonation of the pyrotechnic tube deforms the active portions to disengage the hooks and separate the two components without damaging them.

IPC 8 full level

F42B 15/38 (2006.01); **F42D 3/00** (2006.01)

CPC (source: EP US)

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Cited by

JP2006500522A; US2016169646A1; FR2969748A1; FR2963803A1; FR3009284A1; US10228224B2; US10940341B2; US8967030B2; WO2012085389A1; WO2012020191A1; US7261038B2; US7127994B2; WO2005040713A3; WO2005042345A1; US7367738B2; US10184766B2; WO2004027343A1; WO2015014941A1; JP2007509000A

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