

Title (en)

DEVICE FOR PYROTECHNICALLY SEPARATING TWO ELEMENTS

Publication

EP 0246958 B1 19900816 (FR)

Application

EP 87401102 A 19870515

Priority

FR 8607063 A 19860516

Abstract (en)

[origin: EP0246958A1] Device for the pyrotechnic separation between two elements (2, 4), for example panel-shaped elements. The first element (2) comprises two projecting parts (6, 8) connected to the remainder portion of the element by areas of reduced thickness (10, 12). The projecting parts (6, 8) are secured to the second element (4) by means of screws (30) and nuts (32). A deformable envelope (20) containing a detonating fuse is placed into the cavity (16) formed by the projecting parts (6, 8), the body of the first element (2) and the second element (4). Upon firing, the envelope (20) deforms and causes the rupture at the connection areas (10, 12). The thin areas (10, 12) being close to the extremity of the cavity (16) which is remote from the fixing point of the projecting parts (10, 12) to the second element (4), a greater lever arm and therefore an improved efficiency are obtained. Application to the aeronautical or spatial field.

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CPC (source: EP)

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Cited by

EP0472453A1; FR2665951A1; GB2224338A; FR2638228A1; GB2224338B; EP3023733A1; FR3028608A1; US6125762A; US5390606A; EP0596400A3; US5535502A; FR2957143A1; US6820559B1; US6286430B1; WO2011107690A1; US6170400B1; US8776661B2

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