Title (en)

    DEVICE WITH TWO COMPONENTS THAT ARE RELEASABLY JOINED TOGETHER BY MEANS OF A SEPARATING BOLT

Title (de)

    VORRICHTUNG MIT ZWEI BAUTEILEN, DIE ÜBER EINE TRENNSCHRAUBE LÖSBAR MITEINANDER VERBUNDEN SIND

Title (fr)

    DISPOSITIF CONSTITUÉ DE DEUX COMPOSANTS RELIÉS L'UN À L'AUTRE DE FAÇON LIBÉRABLE PAR L'INTERMÉDIAIRE D'UNE VIS SÉPARABLE

Publication

    EP 2179245 B1 20120111 (DE)

Application

    EP 08785060 A 20080725

Priority

- EP 2008006107 W 20080725
- DE 102007039011 A 20070817

Abstract (en)

    [origin: WO2009024244A1] The invention relates to a device with two components (2, 3) that are releasably joined together by means of a separating bolt (5), wherein the separating bolt (5) contains a separating charge (15) and wherein the joined-together components (2, 3) have guiding parts (6, 7) that are arranged around the separating bolt (5), engage in one another and are in the form of cylinders and pistons, and wherein an annular clearance (10) is provided in the region of the plane of the separating join between the components (2, 3), so that the gases released when the separating charge (15) is activated escape into the clearance (10) and bring about an axially guided displacement of the components (2, 3) with respect to one another. In order in the case of activation of the separating charge (15) on the one hand to achieve rapid axial separation of the joined-together components (2, 3) and on the other hand require a relatively small amount of charge in comparison with known separating bolts (5) in spite of high functional reliability, the invention proposes using an explosive as the separating charge (15), which initiates the separation of the components (2, 3) by detonation.

IPC 8 full level

    F42B 3/00 (2006.01); **F42B 10/56** (2006.01)

CPC (source: EP)

    F42B 3/006 (2013.01); **F42B 10/56** (2013.01)

Designated contracting state (EPC)

    AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

    DE 102007039011 A1 20090219; AT E541179 T1 20120115; EP 2179245 A1 20100428; EP 2179245 B1 20120111; WO 2009024244 A1 20090226

DOCDB simple family (application)

    DE 102007039011 A 20070817; AT 08785060 T 20080725; EP 08785060 A 20080725; EP 2008006107 W 20080725