

Title (en)
RECOIL MANAGEMENT

Title (de)
RÜCKSTOSSBEHERRSCHUNG

Title (fr)
CONTRÔLE DE REcul

Publication
EP 3726177 B1 20221130 (EN)

Application
EP 19170037 A 20190418

Priority
EP 19170037 A 20190418

Abstract (en)
[origin: EP3726177A1] A recoil managed disruptor (102) includes a disruptor device (102) having a barrel (104) from which a slug of material is fired. A piston (106) is mechanically coupled to the disruptor device (102). A housing (109) which supports the disruptor (102) on a positioning device includes a deformable recoil absorber, a.k.a. DRA (112) constraint (108). The DRA constraint (108) is configured to receive a sacrificial DRA structure (112) comprised of a semi-rigid material. The piston (106) is responsive to a recoil force produced when the disruptor device (102) is fired to travel along an axial length of the housing (109) and permanently deform the DRA structure (112) within the DRA constraint (108).

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CPC (source: EP)
F41B 9/0046 (2013.01)

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