

Title (en)

PISTON CUSHIONING IN A GUN USING A LIQUID PROPELLANT CHARGE

Title (de)

DÄMPFUNG DES KOLBENS EINES GESCHÜTZES FÜR FLÜSSIGKEITSTREIBMITTEL

Title (fr)

AMORTISSEMENT DU PISTON D'UN CANON A CHARGE PROPULSIVE LIQUIDE

Publication

**EP 0619868 B1 19970305 (FR)**

Application

**EP 93924658 A 19931029**

Priority

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- FR 9301071 W 19931029

Abstract (en)

[origin: FR2697624A1] A system for supplying a device, such as the combustion chamber (5) of the barrel (1) of weapon using a liquid propellant, including a hydraulic cylinder consisting of a piston (15) and a cylinder (9) defining therewith a variable-volume chamber (16) connected to the combustion chamber (5) via an outlet channel (21), and a cushioning assembly (40) consisting of a projection (41) extending into the chamber (16), and a recess (42) formed in the piston (15) for cushioning said piston (15) at the end of its stroke by throttling the hydraulic fluid. An assembly (45) is provided for adjusting the length of the projection (41) within the chamber (16) according to its volume.

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