

Title (en)

In-line annular piston fixed bolt regenerative variable charge liquid propellant gun with variable hydraulic control of piston.

Title (de)

Ausgerichteter ringförmiger Kolben für eine regenerative Feuerwaffe mit einem festen Kammerverschluss, einer variablen flüssigen Treibladung und mit variabler hydraulischer Kolbensteuerung.

Title (fr)

Piston annulaire en ligne à contrôle hydraulique variable pour une arme à feu régénérative à culasse fixe, utilisant une charge propulsive liquide variable.

Publication

EP 0332226 B1 19950308 (EN)

Application

EP 89106446 A 19850401

Priority

- EP 85103915 A 19850401
- US 59878384 A 19840410

Abstract (en)

[origin: EP0332226A2] The gun structure comprises a breech casing (21) defining a breech bore, a fixed member (5) in the breech bore, a differential area piston (6) dividing the breech bore between a combustion chamber (55) and a propellant reservoir (35), said piston having an enlarged portion and a cut out portion, said cut out portion overrunning the fixed member as piston moves from a gun charged position to a gun discharged position, and said cut out portion and said enlarged portion being so sized and shaped to cooperate as said piston moves with respect to said fixed member to define a variable area injection orifice for the flow of propellant from said reservoir to said combustion chamber.

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F41B 11/00

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