

Title (en)
BARREL RECUPERATOR, PREFERABLY FOR A PIECE OF ARTILLERY

Publication
EP 0119299 B1 19870506 (DE)

Application
EP 83111017 A 19831104

Priority
DE 3302039 A 19830122

Abstract (en)
[origin: US4648306A] A hydropneumatic recuperator arrangement for a counterrecoil mechanism of an artillery weapon which automatically adjusts the counterrecoil force in accordance with the elevation of the gun barrel. The trunnion of the gun barrel is operatively connected to a cylinder in which a piston is slidably mounted. First and second chambers of the cylinder hold a pressurized fluid medium and the volumes of these first and second chambers vary in accordance with the elevation of the gun barrel. The second chamber of the cylinder is in fluid communication with the recuperator and adjusts its recoil force in accordance with gun barrel elevation.

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F41F 19/14

IPC 8 full level
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F41A 25/04 (2013.01 - EP US); **F41A 25/20** (2013.01 - EP US)

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