

Title (en)

BELT FEEDER FOR A GAS OPERATED AUTOMATIC GUN HAVING TWO FEEDER SPROCKETS EACH DRIVEN BY A FEEDER SHAFT

Publication

EP 0038399 B1 19840808 (DE)

Application

EP 81100645 A 19810129

Priority

DE 3015130 A 19800419

Abstract (en)

1. Ammunition feeder for an automatic gas-operated gun, particularly cannon wherein cartridges are fed into the loading chamber of the gun from two sides alternately by means of star wheels, each associated with a feed shaft (5) and engaging respective ammunition belts, each shaft being rotated in alternation about the feed path of a cartridge by means of a gas piston, actuated by propelling gas derived from the gun barrel, and using one ratchet pawl or the like, characterized by the fact that each feed shaft (5) carries a forwardmotion brake limiting the rotation of the star wheels at the end of the belt feed, a ratchet wheel (6) in each gap of which one pawl (4) is subject to the force of one spring (7) directed towards the particular associated feed shaft (5) is engaged in such a way as to be pivotable towards the axis of the feed shaft (5), the pawl (4) by means of a cam (2) on a driving pinion (1) rotatable therewith and a control pin (3) interposed between the said cam (2) and the pawl (4) at the moment when the feed shaft is not being moved by the gas piston being disengaged from the gaps between the pawls on the ratchet wheel (6) during rotation of the feed shaft, that is during the belt transport, but entering the gaps between the pawls and remaining therein at the end of the rotation.

IPC 1-7

F41D 10/04

IPC 8 full level

F41A 9/30 (2006.01); **F41A 9/37** (2006.01)

CPC (source: EP US)

F41A 9/30 (2013.01 - EP US); **F41A 9/37** (2013.01 - EP US)

Cited by

CH666956A5; EP0072421A3

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0038399 A1 19811028; **EP 0038399 B1 19840808**; DE 3015130 A1 19811022; DE 3165305 D1 19840913; ES 257133 U 19810716; ES 257133 Y 19820101; US 4932307 A 19900612

DOCDB simple family (application)

EP 81100645 A 19810129; DE 3015130 A 19800419; DE 3165305 T 19810129; ES 257133 U 19810326; US 37464682 A 19820504