

Title (en)

SPROCKET FOR THE CARTRIDGE FEED MECHANISM OF AN AUTOMATIC FIREARM

Publication

**EP 0231443 B1 19890125 (DE)**

Application

**EP 86115318 A 19861105**

Priority

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Abstract (en)

[origin: US4885975A] Cartridges are usually fed axially to a rotating array of barrels of a multi-barrel cannon or firing weapon, by means of a cartridge feeding apparatus, for example, an endless conveyor belt or chain. The cartridges must then be accelerated to the peripheral speed of the rotating array of barrels, since the spacing between the individual barrels is considerably greater than the pitch spacing between successive cartridges on the endless conveyor belt or chain. Uniform acceleration of cartridges fed by the conveyor belt or chain up to the peripheral speed of the rotating array of barrels of the firing weapon is effected in that the deflector wheel or sprocket comprises a predetermined number of radially adjustable slides. These radially adjustable slides define recesses or pockets for receiving the cartridges. Structure, such as a cam arrangement, is also provided for radially translating these slides during rotation of the deflector wheel or sprocket.

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