

Title (en)
Cartridge loading machine with balanced movement

Title (de)
Hülsenlademaschine mit ausgewuchteter Bewegung

Title (fr)
Banc de rechargement de cartouche équilibré

Publication
EP 2801785 A1 20141112 (EN)

Application
EP 14167195 A 20140506

Priority
IT CR20130014 A 20130508

Abstract (en)
The invention relates to the field of production and loading lines for cartridges, in particular used in the sports, civil and military field. More in detail, the invention relates to a cartridge loading machine with balanced movement (1) comprising: - a support frame (4); - means (5) for feeding said cartridges; - means (6) for feeding components to be inserted in said cartridges; - a working beam (3) adapted to load said cartridges, provided with an alternating movement of translation between two upper and lower end positions; - means (7) for advancing and ejecting the loaded cartridges; - motor means (8); - motion transmission means (9, 19, 29). Said loading machine (1) comprises a dynamic balancing device (2) connected to said working beam (3) by kinematic connection means, so that the inertia of said balancing device (2) is opposed to the inertia of said working beam (3) during its alternating movement of translation between the two upper and lower end positions.

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Citation (search report)
• [IY] US 2325642 A 19430803 - TURNOCK JOSEPH E, et al
• [A] US 6067886 A 20000530 - IRWIN JERE F [US]
• [Y] US 3150558 A 19640929 - WELCH ARTHUR L
• [A] FR 2094479 A5 19720204 - SAUVAGE JEAN CLAUDE
• [A] US 1602334 A 19261005 - CANDEE ZENAS P
• [A] US 3483792 A 19691216 - WILLIAMS CHARLES F

Cited by
IT201800003209A1; WO2018173087A1; US10809046B2

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