

Title (en)

DEVICE FOR RELEASING CARTRIDGES AND METHOD FOR CONTROLLING SAID DEVICE

Title (de)

VORRICHTUNG ZUM LÖSEN VON KARTUSCHEN UND VERFAHREN ZUR STEUERUNG DER VORRICHTUNG

Title (fr)

DISPOSITIF DE LIBÉRATION DES CARTOUCHES ET PROCÉDÉ DE COMMANDE DUDIT DISPOSITIF

Publication

EP 4193112 B1 20231206 (FR)

Application

EP 21785965 A 20210917

Priority

- FR 2009308 A 20200917
- FR 2021051592 W 20210917

Abstract (en)

[origin: WO2022058692A1] The present invention relates to a device for releasing installed cartridges, enabling the controlled release of electric ignition cartridges. These cartridges are loaded into the device by means of a rackable magazine in a housing of the device. The device comprises a robust electronic system for priming the cartridges, a quick electrical contacting mechanism and is designed to be weather resistant. The device comprises an ignition system comprising an electronic board (41) fixed in a housing of the device and comprising a controller (42), a power management system and a plurality of electrical contacts fixed on said electronic board for priming the cartridges. The electrical contacts (40) pass through the electronic card (41) on an orthogonal axis, a lower end of the contacts being intended to bring the cartridges into contact and an upper end of the contacts being fixed directly or indirectly to the housing (10) in order to maintain an upright position of said contacts. The ignition system of the invention is very compact and suitable for being installed in an aerial drone, this ignition system also enabling precise and reliable control of the cartridge primer.

IPC 8 full level

F41A 19/68 (2006.01); **F41A 19/69** (2006.01); **F41F 1/08** (2006.01); **F42B 5/155** (2006.01)

CPC (source: EP)

F41A 19/68 (2013.01); **F41A 19/69** (2013.01); **F41F 1/08** (2013.01); **F42B 5/155** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

FR 3114145 A1 20220318; **FR 3114145 B1 20220805**; EP 4193112 A1 20230614; EP 4193112 B1 20231206; EP 4193112 C0 20231206; ES 2971542 T3 20240605; PL 4193112 T3 20240506; WO 2022058692 A1 20220324

DOCDB simple family (application)

FR 2009308 A 20200917; EP 21785965 A 20210917; ES 21785965 T 20210917; FR 2021051592 W 20210917; PL 21785965 T 20210917