

Title (en)

Device for automatically gripping propulsive charge modules stocked in a magazine

Title (de)

Vorrichtung zum automatischen Greifen von Treibladungsmodule aus einem Magazin

Title (fr)

Système de saisie automatique de modules de charge propulsive stockés dans un magasin

Publication

EP 0881454 B1 20020814 (FR)

Application

EP 98401270 A 19980528

Priority

- FR 9706578 A 19970529
- US 8808098 A 19980601

Abstract (en)

[origin: EP0881454A1] The system consists of at least one gripper (12) carried by a mobile supporting arm (13) actuated by a drive (M) so that it can go into the magazine and come out with at least one propellant charge module (3). Each gripper has two forks (12a, 12b) set opposite one another with a gap between them to hold a module. The magazine has one or more compartments (5) to store rows of modules, each compartment being bounded by two partitions (7) with spacers between to separate the modules from one another and leave gaps for the forks, one of which is equipped with a tilting retaining element which can operate automatically or be electrically or pneumatically actuated.

IPC 1-7

F41A 9/20; **F41A 9/64**

IPC 8 full level

F41A 9/20 (2006.01); **F41A 9/64** (2006.01)

CPC (source: EP US)

F41A 9/20 (2013.01 - EP US); **F41A 9/64** (2013.01 - EP US); **Y10S 414/124** (2013.01 - EP US)

Cited by

ITTO20121103A1; JP2016502955A; AU2013365750B2; US9891013B2; WO2017121940A1; WO2014097159A1

Designated contracting state (EPC)

CH DE GB IT LI SE

DOCDB simple family (publication)

EP 0881454 A1 19981202; **EP 0881454 B1 20020814**; FR 2764055 A1 19981204; FR 2764055 B1 19990716; IL 124555 A0 19981206; IL 124555 A 20020210; US 6048159 A 20000411; ZA 985712 B 19990331

DOCDB simple family (application)

EP 98401270 A 19980528; FR 9706578 A 19970529; IL 12455598 A 19980519; US 8808098 A 19980601; ZA 985712 A 19980529