

Title (en)
HAND-HELD FIRING DEVICE COMPRISING SEVERAL CARTRIDGES

Title (de)
HANDABSCHUSSGERÄT MIT MEHREREN KARTUSCHEN

Title (fr)
DISPOSITIF DE TIR TENU A UNE MAIN, COMPRENANT PLUSIEURS CARTOUCHES

Publication
EP 1451519 A1 20040901 (DE)

Application
EP 02764484 A 20021015

Priority
• CH 0200565 W 20021015
• CZ 20014432 A 20011210

Abstract (en)
[origin: WO03054473A1] The inventive firing device (1) comprises a cartridge reception unit (11) in which each of several cartridges (3a to 3d) is provided with one propellant (132) and is interchangeably disposed in one reception chamber (9), and a cover part (7) closing the rear section of the device by means of which cartridges can be replaced. A fluid and/or powdered substance (14) that can be propelled by means of the triggered propellant (132) is stored in each cartridge. Triggering units for the cartridges (3a-3d) which can be activated sequentially by a trigger element (21) are disposed in the cover part (7). In order not to harm the user when replacing cartridges, the cartridge reception unit (11) and the top part of each cartridge are aligned with each other so as to seal the cartridge reception area (9) at least following the firing of the cartridge, thereby leaving no substantial quantity of the substance (14) in the firing device (1) outside the cartridges (3a-3d).

IPC 1-7
F41H 9/10; **F42B 5/145**

IPC 8 full level
F41H 9/10 (2006.01); **F42B 5/145** (2006.01)

CPC (source: EP US)
F41H 9/10 (2013.01 - EP US); **F42B 5/145** (2013.01 - EP US); **F42B 12/40** (2013.01 - EP US); **A62C 13/22** (2013.01 - EP US)

Citation (search report)
See references of WO 03054473A1

Cited by
DE102019008390A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
WO 03054473 A1 20030703; AT E410659 T1 20081015; AU 2002328766 A1 20030709; DE 50212880 D1 20081120; EP 1451519 A1 20040901; EP 1451519 B1 20081008; US 2005081419 A1 20050421; ZA 200404530 B 20050831

DOCDB simple family (application)
CH 0200565 W 20021015; AT 02764484 T 20021015; AU 2002328766 A 20021015; DE 50212880 T 20021015; EP 02764484 A 20021015; US 49798704 A 20040813; ZA 200404530 A 20040608