

Title (en)  
Improved semi-automatic carbine

Title (de)  
Verbesserter halbautomatischer Karabiner

Title (fr)  
Carabine semi-automatique améliorée

Publication  
**EP 1780493 A1 20070502 (FR)**

Application  
**EP 06022006 A 20061020**

Priority  
BE 200500524 A 20051025

Abstract (en)  
The carbine has a slide assembly (9) integrated to a bolt assembly (10) permitting to control resetting and locking of the carbine. An automatic resetting device (12) has a piston (13) contacting a slide head (17) which is placed in front of the carbine. The head is slidingly mounted on a guide rod (19) and is made of technical thermoplastic material e.g. polymer or glass fiber charged polymer, having low density. The rod traverses a floating mass (25) slidingly mounted in an axial direction of the rod, and a recoil spring (29) constituted of a flat wire is mounted around the rod.

IPC 8 full level  
**F41A 5/26** (2006.01)

CPC (source: EP US)  
**F41A 3/26** (2013.01 - EP US); **F41A 5/18** (2013.01 - EP US)

Citation (search report)

- [A] BE 1015572 A3 20050607 - BROWNING INTERNATIONAL SOCIUTU [BE]
- [A] US 3382766 A 19680514 - ABE SEIDERMAN
- [A] US 4505183 A 19850319 - GREHL WILLIAM H [US]
- [A] US 3592101 A 19710713 - VARTANIAN EDWIN S, et al

Cited by  
WO2021110295A1

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

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**EP 1780493 A1 20070502; EP 1780493 B1 20080611**; AT E398272 T1 20080715; BE 1016821 A3 20070703; DE 602006001453 D1 20080724; ES 2306342 T3 20081101; PT 1780493 E 20080908; US 2007131104 A1 20070614; US 7467581 B2 20081223

DOCDB simple family (application)  
**EP 06022006 A 20061020**; AT 06022006 T 20061020; BE 200500524 A 20051025; DE 602006001453 T 20061020; ES 06022006 T 20061020; PT 06022006 T 20061020; US 58522106 A 20061024