

Title (en)
Gas-operated semi-automatic rifle

Title (de)
Gasdruckladendes Selbstladegewehr

Title (fr)
Fusil semi-automatique à emprunt de gaz

Publication
EP 0802388 B1 20031105 (DE)

Application
EP 97104074 A 19970311

Priority
DE 19615181 A 19960417

Abstract (en)
[origin: EP0802388A2] The rifle uses gas under pressure, having a gas-cylinder (15) closed at one end (17) and forming a chamber (33) connected via a tapping (5) and passage (35) to the bore (7) of the rifle barrel. A piston (25) in the cylinder works between a rest position in which it defines the minimum volume of the chamber and an end position defining the maximum volume. The piston is a clearance fit in the cylinder, and in it one or more piston-rings (31) fit, working against the inside surface of the cylinder. There can be several rings, e.g. three, which are close together, form a strip, and can be pre-loaded against the cylinder wall. One ring at least can be near the piston end which is nearest to the chamber. There can be a control boss (29) on the piston protruding into the chamber, and which is a close fit in an opening (19) in the cylinder end.

IPC 1-7
F41A 5/26

IPC 8 full level
F41A 5/26 (2006.01)

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

Cited by
DE102017002165B4; US10830546B2; EP1797389B1

Designated contracting state (EPC)
AT BE CH DE ES FR GB IT LI NL

DOCDB simple family (publication)
EP 0802388 A2 19971022; EP 0802388 A3 19981104; EP 0802388 B1 20031105; AT E253720 T1 20031115; DE 19615181 A1 19971023; DE 19615181 C2 20010201; DE 59710937 D1 20031211; ES 2210408 T3 20040701; IL 120492 A0 19971120; IL 120492 A 20011125; KR 100419694 B1 20040716; KR 970070939 A 19971107; US 5824943 A 19981020

DOCDB simple family (application)
EP 97104074 A 19970311; AT 97104074 T 19970311; DE 19615181 A 19960417; DE 59710937 T 19970311; ES 97104074 T 19970311; IL 12049297 A 19970320; KR 19970013918 A 19970416; US 83817097 A 19970416