

Title (en)

EXPRESSION DEVICE FOR A CARTRIDGE COMPRISING TWO CHAMBERS ARRANGED CONCENTRICALLY TO EACH OTHER

Title (de)

AUSDRÜCKVORRICHTUNG FÜR EINE ZWEI KONZENTRISCH ZUEINANDER ANGEORDNETE KAMMERN AUFWEISENDE KARTUSCHE

Title (fr)

DISPOSITIF D'EJECTION DESTINE A UNE CARTOUCHE PRESENTANT DEUX CHAMBRES CONCENTRIQUES

Publication

EP 1395371 A1 20040310 (DE)

Application

EP 02735253 A 20020413

Priority

- DE 10128611 A 20010613
- EP 0204139 W 20020413

Abstract (en)

[origin: DE10128611A1] The ejector device has an ejector ram (11) with thread (12), which is moved axially towards the cartridge mouth (6) by an end piece with inner thread screwed into the rear cartridge end. The ejector ram has an inner ram part (16) charging the piston (9) sealing the inner chamber (2), and a concentric tubular outer ram part (17), charging the ring-shaped piston (10) loading the outer chamber (3). The ejector ram thread extends across the complete length of the outer ram part, and the end piece is formed as a threaded ring (13). The ejector ram is a one-piece injection-molded plastic part.

IPC 1-7

B05C 17/01; B65D 83/00; B65D 81/32; B05C 17/005

IPC 8 full level

B05C 11/10 (2006.01); **B05C 17/005** (2006.01); **B05C 17/01** (2006.01); **B65D 81/32** (2006.01); **B65D 83/00** (2006.01)

CPC (source: EP US)

B05C 17/00513 (2013.01 - EP US); **B05C 17/00516** (2013.01 - EP US); **B05C 17/00553** (2013.01 - EP US); **B05C 17/00559** (2013.01 - EP US); **B05C 17/0133** (2013.01 - EP US); **B65D 81/325** (2013.01 - EP US); **B65D 83/0027** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

US 2004216591 A1 20041104; CN 1516625 A 20040728; CZ 20033177 A3 20040414; DE 10128611 A1 20021219; EP 1395371 A1 20040310; HU P0400186 A2 20040628; JP 2004532123 A 20041021; NO 20035590 D0 20031215; PL 367160 A1 20050221; RU 2268093 C2 20060120; WO 02100556 A1 20021219

DOCDB simple family (application)

US 47968003 A 20031204; CN 02812003 A 20020413; CZ 20033177 A 20020413; DE 10128611 A 20010613; EP 0204139 W 20020413; EP 02735253 A 20020413; HU P0400186 A 20020413; JP 2003503367 A 20020413; NO 20035590 A 20031215; PL 36716002 A 20020413; RU 2004100542 A 20020413