

Title (en)

Actuating element and filling machine with such actuating elements

Title (de)

Betätigungselement sowie Füllmaschine mit derartigen Betätigungselementen

Title (fr)

Élément actionneur et machine de remplissage avec des tels éléments actionneurs

Publication

EP 1700819 A3 20090819 (DE)

Application

EP 06002017 A 20060201

Priority

DE 102005011659 A 20050308

Abstract (en)

[origin: EP1700819A2] The actuator (18) has a cylinder (19) which is axially adjustable and a cylinder chamber (21.1,22.1) which is subjected to fluid pressure. An adjustable valve lift stop (29,30) is connected to piston (25,27). A motor adjusting drive is arranged for the valve lift stop. An independent claim is also included for the filling machine.

IPC 8 full level

B67C 3/00 (2006.01); **F15B 11/12** (2006.01); **F15B 15/14** (2006.01); **F15B 15/24** (2006.01)

CPC (source: EP US)

B67C 3/007 (2013.01 - EP US); **F15B 11/125** (2013.01 - EP US); **F15B 15/1409** (2013.01 - EP US); **F15B 15/24** (2013.01 - EP US)

Citation (search report)

- [XY] EP 0078496 A1 19830511 - BOSCH GMBH ROBERT [DE]
- [X] FR 2848268 A1 20040611 - REFUVEILLE JEAN [FR]
- [X] EP 0127854 A1 19841212 - TEKMA KINCMAT SPA [IT]
- [X] GB 2291475 A 19960124 - FULLERTON EDWARD [GB]
- [YA] DE 20315253 U1 20031224 - KHS MASCH & ANLAGENBAU AG [DE]

Cited by

CN109538812A

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 1700819 A2 20060913; **EP 1700819 A3 20090819**; DE 102005011659 A1 20060914; RU 2006107219 A 20071010;
RU 2324080 C2 20080510; US 2006266003 A1 20061130

DOCDB simple family (application)

EP 06002017 A 20060201; DE 102005011659 A 20050308; RU 2006107219 A 20060307; US 37021706 A 20060307