

Title (en)
DEVICE FOR MIXING AND APPLYING LIQUID OR PASTY SUBSTANCES

Publication
EP 0213073 B1 19891004 (DE)

Application
EP 86810345 A 19860806

Priority
• CH 19386 A 19860117
• CH 345685 A 19850812

Abstract (en)
[origin: US4690306A] A dispensing device comprises a cartridge unit with at least two chambers containing liquid or pasty substances and pistons therein being connected with each other by at least one blade adapted for cutting through a dividing wall, between two chambers and separating their contents, only one piston assembly being required which can be operated with a propellant under excess pressure preferably not exceeding 6 bars. As no piston rod is required the construction of the device is very compact. In a first step for actuating the pistons, the cartridge unit is moved forward toward an exit end of the device bearing a discharge nozzle whereby valves in the device are opened and contents from the cartridge unit are conveyed to the discharge nozzle. After each discharge a restoring element returns the cartridge unit to a rearward end position whereby the valves are closed and no contents can leak from the cartridge.

IPC 1-7
B05C 17/00; **B65D 81/32**

IPC 8 full level
B05C 17/005 (2006.01); **B05C 17/01** (2006.01); **B05C 17/015** (2006.01); **B65D 81/32** (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 17/0106** (2013.01 - EP US); **B05C 17/0123** (2013.01 - EP US); **B05C 17/015** (2013.01 - EP US); **B65D 81/325** (2013.01 - EP US); **B05C 17/01** (2013.01 - EP US)

Cited by
JP2011235961A; EP0302819A3; EP0232733A3; EP0352370A1; EP0436155A3; EP0252401A3; EP2604142A4; EP0319135A3; CN103537406A; EP3050634A1; CN105816234A; US5443182A; US5807749A; EP2013112A4; CN113474263A; DE19543240A1; EP0607102A1; DE102013101637B4; EP1806184A3; EP3000535A1; AU2015221497C1; EP2384820A1; DE102010019217A1; DE102010019217B4; US10258399B2; US9168108B2; US9073081B2; WO9429012A1; WO2009036962A3; WO9204130A1; WO9600620A1; WO2020141058A1

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

DOCDB simple family (publication)
EP 0213073 A1 19870304; **EP 0213073 B1 19891004**; DE 3665999 D1 19891109; US 4690306 A 19870901

DOCDB simple family (application)
EP 86810345 A 19860806; DE 3665999 T 19860806; US 89182686 A 19860801