

Title (en)

DEVICE FOR STORING, PRESSING OUT AND DOSING TWO-COMPONENT COMPOUNDS

Title (de)

VORRICHTUNG ZUM LAGERN, AUSPRESSEN UND DOSIEREN VON ZWEI-KOMPONENTEN-ZUSAMMENSETZUNGEN

Title (fr)

DISPOSITIF POUR STOCKER, EXPRIMER ET DOSER DES COMPOSITIONS A DEUX COMPOSANTS

Publication

EP 0942787 B1 20020123 (DE)

Application

EP 98954317 A 19981001

Priority

- DE 19744746 A 19971010
- EP 9806260 W 19981001

Abstract (en)

[origin: DE19744746A1] Two concentric tubes (3,4) inside the cylindrical chambers (1,2) telescope into each other and have openings (5,6) at their front and rear ends to allow the fluid components (11,12) to enter the tubes and flow to a mixer (10) at the cartridge outlet (9). When pressure is applied to a rear piston (8) the rear tube (4) is pushed forward and with a broadened area at the front moves a front piston (7) towards the outlet (9). Simultaneous movement of both pistons forces both fluid components (11,12) through the openings (5,6) and along the tubes. Chamber (1,2) dimensions allow materials to be metered using a standard pistol cartridge. For metering components with a mixing ratio widely differing from a 1:1 ratio the outer diameter of the rear chamber is similar to the internal diameter of the cartridge pistol and the outer diameter of the front chamber is less than that of the rear chamber.

IPC 1-7

B05C 17/005

IPC 8 full level

B05C 17/005 (2006.01)

CPC (source: EP)

B05C 17/00513 (2013.01); **B05C 17/00516** (2013.01); **B05C 17/00553** (2013.01); **B05C 17/00559** (2013.01)

Designated contracting state (EPC)

DE ES FR GB IT NL SE

DOCDB simple family (publication)

DE 19744746 A1 19990415; DE 59802892 D1 20020314; EP 0942787 A1 19990922; EP 0942787 B1 20020123; ES 2172235 T3 20020916; WO 9919079 A1 19990422

DOCDB simple family (application)

DE 19744746 A 19971010; DE 59802892 T 19981001; EP 9806260 W 19981001; EP 98954317 A 19981001; ES 98954317 T 19981001