

Title (en)  
Fluid product dispenser

Title (de)  
Spender zur Applikation fließfähiger Produkte

Title (fr)  
Distributeur des produits fluides

Publication  
**EP 1344570 A3 20080305 (DE)**

Application  
**EP 03005224 A 20030310**

Priority  
DE 20203882 U 20020311

Abstract (en)  
[origin: US2003231923A1] A dispenser for distribution of measured quantities of fluid to pasty product comprising a storage container with axially displaceable guide pistons and a dispenser head with a dispenser pump arranged on the storage container. A pump chamber of the pump is restricted by check valves at the entry and exit. A discharge channel is positioned downstream of the dispenser pump with an application opening that can be sealed by a sealing element. The dispenser head is designed with an application cap with a planar application surface closing the dispenser head in an axial direction and with an application opening centrally arranged in the application surface. The sealing element for sealing the application opening is designed in such a way, and arranged within the application surface, that the sealing element completely overlaps the application opening and forms a part of the planar application surface without transition or border.

IPC 8 full level  
**B05B 11/00** (2006.01); **B65D 83/00** (2006.01)

CPC (source: EP US)  
**B05B 11/007** (2013.01 - EP US); **B05B 11/0072** (2013.01 - EP US); **B05B 11/0075** (2013.01 - EP US); **B05B 11/1001** (2023.01 - EP US); **B05B 11/028** (2023.01 - EP US)

Citation (search report)

- [XY] EP 0452260 A2 19911016 - PLASCO SA [FR]
- [Y] DE 9411622 U1 19941117 - COSTER TECNOLOGIE SPECIALI SPA [IT]
- [X] EP 0376097 A2 19900704 - BRAMLAGE GMBH [DE]
- [X] EP 0309949 A2 19890405 - BRAMLAGE GMBH [DE]
- [A] DE 29506682 U1 19950629 - MEGAPLAST DOSIERSYSTEME GMBH [DE]
- [A] EP 0600286 A2 19940608 - LUMSON SRL [IT]
- [A] FR 2785878 A1 20000519 - TABERLET JEAN PHILIPPE [FR]

Cited by  
DE202008011231U1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Designated extension state (EPC)  
AL LT LV MK

DOCDB simple family (publication)  
**US 2003231923 A1 20031218; US 6968981 B2 20051129**; AT E450317 T1 20091215; DE 20203882 U1 20030417; DE 50312168 D1 20100114; DK 1344570 T3 20100301; EP 1344570 A2 20030917; EP 1344570 A3 20080305; EP 1344570 B1 20091202; ES 2336201 T3 20100409

DOCDB simple family (application)  
**US 38626303 A 20030311**; AT 03005224 T 20030310; DE 20203882 U 20020311; DE 50312168 T 20030310; DK 03005224 T 20030310; EP 03005224 A 20030310; ES 03005224 T 20030310