Title (en)

DEVICE FOR THE EXPRESSION OR DOSED APPLICATION OF A FREE-FLOWING PASTE-LIKE SUBSTANCE

Title (de)

VORRICHTUNG ZUM AUSPRESSEN UND DOSIERTEM AUFBRINGEN EINER FLIESSFÄHIGEN PASTÖSEN MASSE

Title (fr)

DISPOSITIF PERMETTANT D'EXPRIMER ET D'APPLIQUER DE MANIERE DOSEE UNE MATIERE PATEUSE FLUIDE

Publication

EP 1651358 B1 20070131 (DE)

Application

EP 05701404 A 20050211

Priority

• EP 2005001409 W 20050211
• DE 202004002186 U 20040212

Abstract (en)

[origin: US2007194058A1] The invention relates to an elongated, preferably cylindrical plunger located in a chamber of a cartridge gun for the expression and dosed application of a free-flowing, paste-like substance. The exterior of the plunger comprises two seals that are preferably located in a peripheral groove. To express the contents of fixed cartridges, the plunger is equipped with an additional peripheral sealing ring for sealing purposes.

IPC 8 full level

B05C 17/015 (2006.01); **B67D 7/70** (2010.01); **B05C 17/005** (2006.01); **B67D 7/80** (2010.01)

CPC (source: EP KR US)

B05C 17/00503 (2013.01 - EP US); **B05C 17/00596** (2013.01 - EP); **B05C 17/015** (2013.01 - EP KR US)

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2007194058 A1 20070823; AT E353032 T1 20070215; AU 2005211921 A1 20050825; AU 2005211921 B2 20071018; CA 2552697 A1 20050825; CA 2552697 C 20110118; CN 1917964 A 20070221; CN 1917964 B 20130925; DE 202004002186 U1 20040826; DE 502005000354 D1 20070322; EP 1651358 A1 20060503; EP 1651358 B1 20070131; ES 2279502 T3 20070816; KR 100805562 B1 20080220; KR 20060110370 A 20061024; WO 2005077548 A1 20050825

DOCDB simple family (application)

US 58932705 A 20050211; AT 05701404 T 20050211; AU 2005211921 A 20050211; CA 2552697 A 20050211; CN 200580004800 A 20050211; DE 202004002186 U 20040212; DE 502005000354 T 20050211; EP 05701404 A 20050211; EP 2005001409 W 20050211; ES 05701404 T 20050211; KR 20067018703 A 20060912