

Title (en)  
Manual viscous liquid dispensing device

Title (de)  
Handbetätigtes Austraggerät für zähflüssige Masse

Title (fr)  
Appareil à main pour délivrer un produit visqueux

Publication  
**EP 1018375 A2 20000712 (EN)**

Application  
**EP 99310590 A 19991224**

Priority  
US 11493699 P 19990106

Abstract (en)  
A dispenser for manually dispensing pasty, semi-fluid products that must be applied with control and accuracy incorporates a unique integral trigger and pawl drive mechanism, in which the drive is activated by a trigger or actuator. A product dispensing cartridge is attached to the front of the dispenser via a cartridge holding mechanism. As the trigger is depressed, the pawl drive mechanism engages and advances a plunger into the product container, contacting and advancing a piston within the cartridge which in turn advances and expels product from a cartridge dispensing outlet. At the completion of the stroke, the trigger is released and the drive mechanism disengages the plunger, the disengagement interaction between the drive mechanism and the plunger causing the latter to move rearwards. A floating gripper, disposed on the plunger, limits the amount of this rearward movement, the effect of which is to decompress the product cartridge and thus prevent drooling after the completion of dispensation.  
<IMAGE>

IPC 1-7  
**B05C 17/01**

IPC 8 full level  
**B05C 17/01** (2006.01)

CPC (source: EP)  
**B05C 17/01** (2013.01)

Citation (applicant)  
US 4509662 A 19850409 - WEISS SHERMAN L [US]

Cited by  
CN110650665A; CN104992913A; FR2970654A1; CN104959275A; WO2012098335A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 1018375 A2 20000712; EP 1018375 A3 20030521**

DOCDB simple family (application)  
**EP 99310590 A 19991224**