

Title (en)  
DISPENSER FOR PASTE-LIKE PRODUCTS

Publication  
**EP 0347546 B1 19930908 (DE)**

Application  
**EP 89106974 A 19890419**

Priority  
• DE 8807843 U 19880616  
• DE 8807844 U 19880616

Abstract (en)  
[origin: US5016782A] A dispenser for viscous materials has a cylindrical housing with an open end, a hollow cylinder which is reciprocable in the housing and defines a chamber for viscous material. One end of the chamber is adjacent a wall member of the cylinder which is provided with an outlet for viscous material, and the other end of the chamber is adjacent a piston which is mounted on a guide of the housing and is movable with the cylinder only in a direction to extract the cylinder from the housing. The wall member serves to move the entire cylinder in a direction to move the wall member toward the piston and to thereby expel material from the chamber, and the tubular wall of the cylinder adjacent the wall member is used to pull the cylinder in the opposite direction whereby the tubular wall of the cylinder entrains the piston so that the effective volume of the chamber for viscous material remains unchanged during movement of the cylinder in the opposite direction.

IPC 1-7  
**B65D 83/00**

IPC 8 full level  
**A47K 5/12** (2006.01); **B65D 83/00** (2006.01)

CPC (source: EP US)  
**A47K 5/1201** (2013.01 - EP US); **A47K 5/1205** (2013.01 - EP US); **B65D 83/0011** (2013.01 - EP US)

Cited by  
US9844796B2; US10279935B2

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

DOCDB simple family (publication)  
**US 5016782 A 19910521**; DE 58905510 D1 19931014; EP 0347546 A2 19891227; EP 0347546 A3 19901003; EP 0347546 B1 19930908; ES 2045237 T3 19940116

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**US 36542389 A 19890613**; DE 58905510 T 19890419; EP 89106974 A 19890419; ES 89106974 T 19890419