

Title (en)

Pneumatic emptying device for cartridges

Title (de)

Pneumatische Kartuschenauspressvorrichtung

Title (fr)

Dispositif pneumatique pour effectuer un vidage d'une cartouche

Publication

EP 0824069 B1 19991215 (DE)

Application

EP 97114024 A 19970814

Priority

DE 19632717 A 19960814

Abstract (en)

[origin: US5921181A] A pneumatic cartridge expressing device is shown for expressing cartridges containing viscous materials. The device has a holder that is axially longer than the cartridge, and a cap that is sealingly fitted over one axial end of the holder with a piston guided within the cap and forced by compressed air against either the one axial end of the holder or against one axial end of the cartridge. Compressed air is provided through an opening in the piston to pressurize the cartridge, and in the case where the piston seals against the one axial end of the holder, also passes into an annular gap between the cartridge and the holder to prevent bulging of the cartridge during expressing of the cartridge. Compressed air is provided through a separate opening in the cap to the annular gap in the case where the piston seals against one axial end of the cartridge.

IPC 1-7

B41F 31/02; B41L 27/04; B67C 9/00; B05C 17/015; B05C 11/10

IPC 8 full level

B05C 11/10 (2006.01); **B05C 17/015** (2006.01); **B41F 31/02** (2006.01)

CPC (source: EP US)

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Cited by

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DOCDB simple family (publication)

US 5921181 A 19990713; AT E187686 T1 20000115; DK 0824069 T3 20000613; EP 0824069 A2 19980218; EP 0824069 A3 19981007; EP 0824069 B1 19991215

DOCDB simple family (application)

US 91035597 A 19970813; AT 97114024 T 19970814; DK 97114024 T 19970814; EP 97114024 A 19970814