

Title (en)
Cleaning system having collapsible cartridge.

Title (de)
Reinigungssystem mit zusammendrückbarem Einsatz.

Title (fr)
Système de nettoyage à cartouche déformable.

Publication
EP 0175505 A2 19860326 (EN)

Application
EP 85306032 A 19850823

Priority
US 65334184 A 19840920

Abstract (en)
A cleaning system utilizing a hollow bodied, disposable dispensing package comprising a storage chamber and integral dispensing chamber. The package is connected to the system handle via a conical protrusion on the package closure. An orifice separating the two chambers is provided with a movable, inlet clapper valve, the dispensing chamber outlet orifice being normally closed by a spring urged valve. Deformation of the elastic walls of the bellows shaped dispensing chamber penses a discrete amount of liquid to the system handle with out relying on gravity. Compression of the dispensing chamber reduces the volume thereof, closes the inlet clapper valve, and opens the outlet valve to dispense the product. The conically shaped storage chamber provides for ready pumping and evacuation of cleaning fluid therefrom, the flexible walls collapsing inward as a result of the vacuum created by the decompression of the dispensing chamber. A stiffened side wall in the form of a label or longitudinal ribs further controls the collapse of the storage chamber.

IPC 1-7
A47K 11/10

IPC 8 full level
E03C 1/04 (2006.01); **A47K 3/00** (2006.01); **A47K 4/00** (2006.01); **A47K 11/10** (2006.01)

CPC (source: EP)
A47K 11/10 (2013.01)

Cited by
FR2827753A1; WO2021212169A1; WO02071907A1

Designated contracting state (EPC)
AT BE DE FR GB IT NL

DOCDB simple family (publication)
EP 0175505 A2 19860326; EP 0175505 A3 19860827; EP 0175505 B1 19891220; AT E48749 T1 19900115; AU 3923689 A 19891123; AU 4644185 A 19860327; AU 588822 B2 19890928; AU 611314 B2 19910606; DE 3574821 D1 19900125; JP H0661316 B2 19940817; JP S6187041 A 19860502; MX 164470 B 19920819; ZA 856567 B 19860430

DOCDB simple family (application)
EP 85306032 A 19850823; AT 85306032 T 19850823; AU 3923689 A 19890802; AU 4644185 A 19850820; DE 3574821 T 19850823; JP 20674985 A 19850920; MX 2385 A 19851001; ZA 856567 A 19850828