

Title (en)

Dispenser for pasty detergents, particularly in the form of gel with microspheres

Title (de)

Spender für pastenförmige Reinigungsmittel, insbesondere Gel mit Mikrosphären

Title (fr)

Distributeur pour détergents pâteux, particulièrement pour un gel avec des microsphères

Publication

**EP 1243217 B1 20040609 (EN)**

Application

**EP 01830175 A 20010314**

Priority

EP 01830175 A 20010314

Abstract (en)

[origin: EP1243217A1] A dispenser for pasty detergents includes a socket (A) for introducing a detergent container and a chamber (G) in communication with the socket (A) through a one-way detergent inlet valve and with the outside through a one-way outlet valve, a pressure and a vacuum being alternately created in said chamber (G) through a pump (P) provided with a return spring (S). Each of said one-way inlet and outlet valves consists of a membrane (M; V) made of an elastically deformable material and provided with a central bore, and of a corresponding conical shutter (N; Z) suitable to close said bore. The central portion of the membrane is thicker so as to have a greater rigidity, whereby in the closing return motion when it abuts against the conical surface of the shutter (N; Z) it cuts the residual film of detergent possibly remaining and achieves a perfect tightness without risk of dripping. <IMAGE>

IPC 1-7

**A47K 5/12**

IPC 8 full level

**A47K 5/12** (2006.01)

CPC (source: EP)

**A47K 5/1208** (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1243217 A1 20020925; EP 1243217 B1 20040609**; AT E268559 T1 20040615; DE 60103730 D1 20040715; DE 60103730 T2 20050616; DK 1243217 T3 20041018; ES 2220699 T3 20041216; SI 1243217 T1 20040831

DOCDB simple family (application)

**EP 01830175 A 20010314**; AT 01830175 T 20010314; DE 60103730 T 20010314; DK 01830175 T 20010314; ES 01830175 T 20010314; SI 200130106 T 20010314