

Title (en)
DOSING PUMP

Title (de)
DOSIERPUMPE

Title (fr)
POMPE DE DOSAGE

Publication
EP 1474023 A1 20041110 (DE)

Application
EP 03700796 A 20030207

Priority

- EP 03700796 A 20030207
- CH 0300095 W 20030207
- EP 02405102 A 20020212

Abstract (en)
[origin: EP1334683A1] The dosing pump, and especially for a liquid or foam soap dispenser, is a cylindrical plunger pump (18) with a round seal (22) at its end side (St) in an oversized ring groove (21) to allow an axial sliding movement. A trailing radial seal (20) is in a ring groove (19) A sole non-return valve (24-26) is at the outflow channel (16). A fluid link groove to the dosing zone (17) is between the lateral laying surface of the leading seal and the end side of the plunger, for pressure compensation when the plunger moves in the reverse direction.

IPC 1-7
A47K 5/12

IPC 8 full level
A47K 5/12 (2006.01)

CPC (source: EP)
A47K 5/1204 (2013.01)

Citation (search report)
See references of WO 03068040A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
EP 1334683 A1 20030813; AT E299662 T1 20050815; AU 2003202398 A1 20030904; DE 50300816 D1 20050825; EP 1474023 A1 20041110; EP 1474023 B1 20050720; WO 03068040 A1 20030821

DOCDB simple family (application)
EP 02405102 A 20020212; AT 03700796 T 20030207; AU 2003202398 A 20030207; CH 0300095 W 20030207; DE 50300816 T 20030207; EP 03700796 A 20030207