

Title (en)
Liquid dispenser

Title (de)
Flüssigkeitsspender

Title (fr)
Distributeur de liquide

Publication
EP 0638276 B1 19980225 (DE)

Application
EP 93118690 A 19931120

Priority
• DE 9312110 U 19930813
• US 32659194 A 19941020

Abstract (en)
[origin: EP0638276A1] The invention relates to a liquid dispenser for a flowable medium, such as liquid soap or the like, contained in a storage container (1), comprising the bottle-shaped storage container (1) which is arranged, head-down, in a holder (3) of the dosing apparatus (4) equipped with a central opening spigot (2) and has a connecting neck (6) which is equipped with external thread (5) and in which there is arranged a cork-like inner closure (7) which is mounted in the connecting neck (6) so as to be displaceable from its closed position to open position, and at the inner closure (7), underneath its closure head (8), there is arranged at least one opening (9) which is freed in the open position and adjoined in the holder (3) by a liquid outlet channel (10). In order to be able automatically to effect the opening of the inner closure (7), but in particular its closure, when the storage container (1) has been substantially emptied and in order to be able to remove the inner closure without problems for the purpose of rinsing and refilling of the storage container (1), and to do so having regard to its reusability, the liquid dispenser according to the invention is constructed in such a way that the inner closure (7) is constructed, towards the outflow side, as an open sleeve (7') and the latter is equipped with a thread (11) capable of being screwed onto the opening spigot (2) of the holder (3) and having a pitch (S) acting in the same direction as the thread (5) of the connecting neck (6), and the pitch (S) of the threads (11, 11') of the sleeve (7'') and of the opening spigot (2) is smaller than the pitch (S) of the threads (5, 5') of the connecting neck (6) and of the associated holder (3). <IMAGE>

IPC 1-7
A47K 5/12; B67D 5/02

IPC 8 full level
A47K 5/13 (2006.01)

CPC (source: EP US)
A47K 5/13 (2013.01 - EP US)

Cited by
DE10125842A1; DE10125842B4

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

DOCDB simple family (publication)
DE 9312110 U1 19931021; EP 0638276 A1 19950215; EP 0638276 B1 19980225; US 5598877 A 19970204

DOCDB simple family (application)
DE 9312110 U 19930813; EP 93118690 A 19931120; US 32659194 A 19941020