

Title (en)  
UNITARY SPIGOT VALVE

Publication  
**EP 0194412 A3 19870805 (EN)**

Application  
**EP 86100438 A 19860115**

Priority  
US 69235785 A 19850116

Abstract (en)  
[origin: EP0194412A2] A unitary spigot valve for dispensing liquid, as from a container, includes a body defining a dispensing opening, a rigid valve lever having an inner end portion connected with the body at a rectilinear pivot hinge for movement between dispensing and sealing positions, a spigot on the valve lever inner end portion adjacent to the hinge and configured and arranged as to plug the dispensing opening upon movement of the valve lever into sealing position, a flexible diaphragm connected to interior walls of the body and with the spigot at hinge lines, the diaphragm allowing liquid flow to the valve only via the dispensing opening, and first snap-fitting means on the body and the second snap-fitting means connected with the valve lever, these snap-fitting means means being configured and sized for engagement to retain the spigot in sealing position and prevent disengagement from such position. The spigot may extend from a rigid base portion of the valve lever. The second snap-fitting means may be the outer end portion of the lever, and the first snap-fitting means may comprise detent projections on the body adjacent the valve lever when in its sealing position, the projections being resiliently deformed momentarily upon movement of the valve lever into sealing position, then engaging the lever to retain it in such position. The second snap-fitting means may be a radially extending annular portion of the spigot, the first snap-fitting means may be a radially inwardly extending portion of the opening wall, so that these annular portions interfere when a spigot is moved into the dispensing opening and are resiliently deformed, then engaged to retain the spigot in sealing position. The wall defining the dispensing opening and the spigot exterior configuration may be tapered radially inwardly in the direction of the insertion of the spigot for force-fitting sealing relation upon urging the spigot into the opening.

IPC 1-7  
**B65D 47/20**; **F16K 21/00**

IPC 8 full level  
**B65D 47/20** (2006.01)

CPC (source: EP)  
**B65D 47/2025** (2013.01)

Citation (search report)  
• [AD] US 4386720 A 19830607 - SPEEDIE ROBERT [AU]  
• [A] US 4431110 A 19840214 - ROTH DONALD J [US]  
• [A] US 3045880 A 19620724 - AKERS EDWARD G  
• [A] EP 0130942 A2 19850109 - HOEHN JOHN WALTER  
• [A] US 3972452 A 19760803 - WELSH WILLIAM CHARLES  
• [AD] US 4169548 A 19791002 - BOND CURTIS J [US]  
• [AD] US 4211348 A 19800708 - SCHOLLE WILLIAM R [US]

Cited by  
EP1692074A4; AU2002248104B2; AU2002248104C1; GB2464720A; GB2464720B; US6851585B2; WO9907430A1; WO02081358A1

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

DOCDB simple family (publication)  
**EP 0194412 A2 19860917**; **EP 0194412 A3 19870805**; AU 5229186 A 19860724; AU 575460 B2 19880728; ZA 86296 B 19870429

DOCDB simple family (application)  
**EP 86100438 A 19860115**; AU 5229186 A 19860115; ZA 86296 A 19860115