

Title (en)
Dispensing apparatus

Title (de)
Ausgabevorrichtung

Title (fr)
Dispositif de distribution

Publication
EP 0666219 B1 19970806 (EN)

Application
EP 95300599 A 19950131

Priority
• GB 9420678 A 19941013
• US 19092394 A 19940203

Abstract (en)
[origin: EP0666219A1] An atomising pump (Figure 1) has a piston (3) slidable in a cylinder (5) to expel liquid from a pump chamber (4). A valve member (8) is slidable in a stem (6) of the piston defining a liquid delivery duct (7). A separately formed cylindrical extension (11) of the valve member is movable in and out of sealing contact with the valve member to open and close a liquid inlet port (105) to the chamber (4). The valve member has a core (102) projecting within the cylindrical extension and having a projecting stop formation (103) which cooperates with a stop formation (104) on the cylindrical extension to limit lost motion between the valve member and cylindrical extension. The valve member is biased into an extended position by a spring acting on the stop member projecting from the core so that the spring extends between the core and the cylindrical extension. This arrangement helps maintain alignment between the pump components and resist buckling of the spring. A bottom end of the cylindrical extension makes sliding contact with an internal wall of a tubular extension 16 of the pump body, continuous sliding contact being maintained to prevent clogging when dispensing water based products. <IMAGE>

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IPC 8 full level
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