

Title (en)
PRECOMPRESSION HAND PUMP

Publication
EP 0477083 B1 19930825 (FR)

Application
EP 91402457 A 19910916

Priority
FR 9011465 A 19900917

Abstract (en)
[origin: EP0477083A1] Precompression hand pump for spraying or dispensing a fluid product contained in a container, the said pump having a pump body (1), in which a hollow piston (2) extended by a hollow stem (3) slides, comprising the seat (7a) of a closing-off valve (6) which is urged towards the said hollow stem by a spring (10), the said spring pushing back the valve (6) and the piston (2) towards a rest position, the said pump comprising a pump chamber (12) communicating with the container when the valve and the piston are in their rest position, the said pump chamber (12) being able to be isolated from the container by a leaktight fitting, one over the other, of a first cylinder (8) integral with the valve (6) and of a second cylinder (4) integral with the pump body, the said pump being characterised in that a valve stem (7b) extends the valve (6) through the hollow stem (3) as far as a distance H1 beyond the outer end of the hollow stem and in that, from the rest position of the valve, the cylinder (8) integral with the valve can be moved towards the cylinder (4) integral with the pump body by a distance H2, greater than H1, without the fitting of the two cylinders, one over the other, becoming non-leaktight. <IMAGE>

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B05B 11/00

IPC 8 full level
B05B 11/00 (2006.01)

CPC (source: EP US)
B05B 11/00411 (2018.07 - EP US); **B05B 11/0097** (2013.01 - EP US); **B05B 11/1018** (2023.01 - EP US)

Citation (examination)
FR 2230918 A1 19741220 - AEROSOL INVENTIONS DEV [CH]

Cited by
AU749942B2; FR2754316A1; WO9519230A1; WO9958415A1; WO9959728A1

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