

Title (en)
CONSTRUCTIVE ARRANGEMENT APPLIED IN A DUAL-ACTION VALVE

Title (de)
IN EINEM DOPPELFUNKTIONSVENTIL EINGESETZTE KONSTRUKTIONSANORDNUNG

Title (fr)
AGENCEMENT DE CONSTRUCTION APPLIQUÉ À UNE SOUPAPE À DOUBLE ACTION

Publication
EP 3336356 A1 20180620 (EN)

Application
EP 16204581 A 20161216

Priority
EP 16204581 A 20161216

Abstract (en)
to be used in high-pressure pumps, particularly in pumping fluids, comprising a valve (V) provided with a double seat (1) of a cylindrical kind and provided with a peripheral sealing ring (2), said double seat (1) has on one side the suction valve (3) and on the other side the pressure valve (4), the latter consisting of a more elongated cylindrical body (5), of smaller diameter, with external sealing rings (6); the double seat (1) receives longitudinal hollow conduits (7) that have one end with an opening (8) for fluid inflow, the opposite ends of said longitudinal hollow conduits (7) having the suction valve (3), on which is supported one end of the compression spring (9), whose opposite end abuts the spring support (10), distinguished by using two compression springs, where the suction valve (3) receives the compression spring (9), whereas the pressure valve (4) receives a pressure spring guide (14) and the compression spring itself (15), which has a smaller diameter than the compression spring (9). The valve also features better sealing features and lower material costs.

IPC 8 full level
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CPC (source: EP)
F04B 53/1032 (2013.01); **F04B 53/109** (2013.01)

Citation (applicant)
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Citation (search report)
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