

ABSTRACTA high pressure pump for injecting cement mixtures

5 The pump comprises a pumping chamber (16) in which a suction and force plunger (11) acts, guided and supported by a sealing device (20), suitable for pressurizing a first fluid. The sealing device comprises a cylindrical sleeve (21) with an internal cylindrical cavity (27) in which runs the plunger (11), a first sealing gasket (32) sealing against the first fluid, mounted in the cylindrical cavity (27) at one end of the sleeve (21) on the wet side towards
10 the pumping chamber (16), and a lubrication circuit for a second fluid, with an annular chamber (26) formed in the internal cylindrical cavity (27) of the sleeve at the interface with the plunger (11). A second sealing gasket (37) sealing against the first fluid and acting as guide for the plunger (11), is mounted in the cylindrical cavity (27) at a position axially interposed between the first sealing gasket (32) and the annular chamber (26) of the
15 lubrication circuit.

(figure 1)