

Title (en)
PUMP FOR VISCOUS SUBSTANCES, IN PARTICULAR CONCRETE PUMP

Publication
EP 0016410 B1 19820901 (DE)

Application
EP 80101272 A 19800312

Priority
DE 2909964 A 19790314

Abstract (en)
[origin: EP0016410A1] 1. A slush pump, in particular a concrete pump, with several alternating delivery cylinders, with each of which a three-way valve (12, 13) is associated for controlling the flow between supply tank, delivery cylinder (5, 6) and delivery line (11), and with a combinational shift connecting the drives of the delivery cylinders (5, 6) and of the three-way valves (12, 13), which shifts the drive of the delivery cylinder (5 or 6) between the latter's suction and delivery strokes to a compression stroke, whereupon the discharge into the delivery line (11) is obstructed, characterised in that the three-way valves (12, 13) for controlling the flow between supply tank, delivery cylinders (5, 6) and delivery line (11) feature swivelling pipes (14, 15) known per se, to each of which a sliding plate (29, 30) is secured which in the central position of the swivelling pipes covers delivery cylinder openings (22, 23), and in that the intake openings (14a and 15a) of the swivelling pipes (14, 15) are sealed on the wall (3) of the valve housing (1) in the suction position.

IPC 1-7
F04B 15/02; **F04B 7/00**

IPC 8 full level
F04B 15/02 (2006.01); **F04B 7/00** (2006.01)

CPC (source: EP)
F04B 7/0034 (2013.01)

Cited by
CN103625928A; EP0315750A1; CN103216409A; EP0562498A1; US5380174A; EP0561262A1; US5316453A

Designated contracting state (EPC)
AT BE FR GB IT

DOCDB simple family (publication)
EP 0016410 A1 19801001; **EP 0016410 B1 19820901**; AT E1513 T1 19820915; DE 2909964 A1 19800925; DE 2909964 C2 19880519; JP S55160183 A 19801212; JP S6329113 B2 19880610

DOCDB simple family (application)
EP 80101272 A 19800312; AT 80101272 T 19800312; DE 2909964 A 19790314; JP 3173580 A 19800314