

Title (en)
Moineau-type pump.

Title (de)
Exzentrerschneckenpumpe.

Title (fr)
Pompe moineau.

Publication
EP 0561494 A2 19930922 (EN)

Application
EP 93300805 A 19930203

Priority
ZA 921133 A 19920217

Abstract (en)
A positive displacement pump 10 includes a pressure chamber 62 having a pumping outlet 79 connected to a delivery conduit 58. The pump 10 includes a bypass outlet 64 connected to the pressure chamber and a valve 70 in the bypass outlet. The valve 70 is open when the pump is not operative and closes automatically when a predetermined pumping volume is attained. The pump may advantageously be a submersible progressive cavity pump, the delivery conduit being a rising main having a foot valve 80 associated therewith. The bypass outlet is in communication with a body of fluid external of the rising main, eg with a borehole. Initially, during start-up, delivery of the pump is directed via the bypass outlet against a low head or substantially no head. Only after start-up, is the delivery directed via the pumping outlet 79, into the delivery conduit at a head prevailing in the rising main 58. <IMAGE>

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F04C 2/107

IPC 8 full level
F04C 14/06 (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP)
F04C 14/06 (2013.01); **F04C 15/0053** (2013.01)

Cited by
US6497556B2; US5820354A; GB2338268A; CN105889062A; EP0641937A1; US6604910B1; US6945755B2; US8267677B2

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