

Title (en)
HYDRAULICALLY ACTUATED BORE AND WELL PUMP

Publication
EP 0118497 B1 19880824 (EN)

Application
EP 83902799 A 19830907

Priority
AU PF582282 A 19820909

Abstract (en)
[origin: WO8401002A1] A hydraulically actuated bore or well pump in which a driving unit (1) at the bore or well surface comprises interconnected pistons (6 and 7) arranged to hydraulically actuate a slave piston (27) in a submerged well or bore unit (2) through a hydraulic pressure line (40) and a pump delivery line (42). The driving unit (1), being double-acting, imparts both pumping and return movement to the slave piston (27) and a coupled pumping piston (28) as the driving unit (1) is reciprocated. A valve (50) in the pump delivery line (42) allows outflow from the pump during the pumping stroke and also allows the pump delivery line (42) to be pressurised by the driving unit (1) for the return stroke of the coupled slave and pump pistons (27, 28). A controlled hydraulic drive motor (13) is preferred for actuating the driving unit (1).

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F04B 47/04

IPC 8 full level
F04B 47/04 (2006.01); **F04B 47/08** (2006.01)

CPC (source: EP)
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Cited by
EP4219943A1; CN103758739A; CN103821703A

Designated contracting state (EPC)
DE FR SE

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WO 8401002 A1 19840315; DE 3377805 D1 19880929; DK 153242 B 19880627; DK 153242 C 19881205; DK 227984 A 19840508; DK 227984 D0 19840508; EP 0118497 A1 19840919; EP 0118497 A4 19850411; EP 0118497 B1 19880824; IN 159718 B 19870606; JP S59501516 A 19840823; ZA 836613 B 19840425

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AU 8300124 W 19830907; DE 3377805 T 19830907; DK 227984 A 19840508; EP 83902799 A 19830907; IN 1105CA1983 A 19830909; JP 50289883 A 19830907; ZA 836613 A 19830906