

Title (en)  
PUMP FOR TAIL PRODUCTION OF OIL

Title (de)  
PUMPE ZUR TAIL-ÖLGEWINNUNG

Title (fr)  
POMPE DE PRODUCTION PETROLIFERE TERMINALE

Publication  
**EP 1642029 B1 20070822 (EN)**

Application  
**EP 04748779 A 20040702**

Priority  
• NO 2004000203 W 20040702  
• NO 20033044 A 20030703

Abstract (en)  
[origin: WO2005017299A2] A piston pump for submerging in an oil well, consisting of four pistons that, by means of a fixed interlock (105) between two opposing pistons and a cog wheel interlock (104) between these and the two other pistons, get two oncoming piston pairs in which the mass forces are balanced. On the suction side, the pump has a valve set with a suction- and pressure valve for each of the cylinders in the bottom section; and, on the drive side, a bistable 3-5 port valve that alternately reciprocates the hydraulic oil flow from the drive unit to the one or the other cylinder pair.

IPC 8 full level  
**F04B 47/08** (2006.01); **E21B 43/12** (2006.01); **F04B 47/00** (2006.01); **F04B 47/06** (2006.01); **E21B 43/00** (2006.01); **F04B 9/111** (2006.01)

IPC 8 main group level  
**E21B** (2006.01); **F04B** (2006.01)

CPC (source: EP US)  
**F04B 47/06** (2013.01 - EP US); **F04B 47/08** (2013.01 - EP US)

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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