

Title (en)
PUMP FOR TAIL PRODUCTION OF OIL

Title (de)
PUMPE ZUR TAIL-ÖLGEWINNUNG

Title (fr)
POMPE DE PRODUCTION PETROLIFERE TERMINALE

Publication
EP 1642029 A2 20060405 (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 1-7
F04B 47/08

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

Citation (search report)
See references of WO 2005017299A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005017299 A2 20050224; WO 2005017299 A3 20050506; AT E371110 T1 20070915; AU 2004265529 A1 20050224; AU 2004265529 B2 20080612; BR PI0412293 A 20060905; CA 2532224 A1 20050224; DE 602004008470 D1 20071004; DE 602004008470 T2 20080430; EP 1642029 A2 20060405; EP 1642029 B1 20070822; NO 20033044 D0 20030703; NO 20033044 L 20050104; NO 319468 B1 20050815; US 2006153720 A1 20060713

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NO 2004000203 W 20040702; AT 04748779 T 20040702; AU 2004265529 A 20040702; BR PI0412293 A 20040702; CA 2532224 A 20040702; DE 602004008470 T 20040702; EP 04748779 A 20040702; NO 20033044 A 20030703; US 56278005 A 20051229