

Title (en)
A CONTINUOUS ROD PUMP DRIVE SYSTEM

Title (de)
STUFENLOSES STANGENPUMPEN-ANTRIEBSSYSTEM

Title (fr)
SYSTÈME D'ENTRAÎNEMENT DE POMPE À TIGE CONTINUE

Publication
EP 2564067 A4 20150805 (EN)

Application
EP 11774254 A 20110429

Priority
• US 33009510 P 20100430
• CA 2011050259 W 20110429

Abstract (en)
[origin: US2011266005A1] In a downhole rod-driven pump, continuous rod is used to drive the pump. The continuous rod is connected directly to the drive eliminating the need for a polish rod and an uphole coupling. A coupling is used to connect the continuous rod to the pump reducing restrictions in the production annulus and wear on the production tubing. Further, clean out tubing can be inserted into the production tubing beside the continuous rod and can extend therein to the pump without restriction. When the coupling is a threaded coupling, the continuous rod can be rotated in an appropriate direction to release the continuous rod from the pump when the pump is stuck. When the coupling is a shear coupling, the shear coupling can be sheared for releasing the pump from the continuous rod. When the pump is a progressing cavity pump and the coupling is a shear coupling, the continuous rod can be reverse rotated for changing the direction of pumping and if the rotor thereafter remains stuck, the shear coupling can be sheared.

IPC 8 full level
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E21B 33/047 (2013.01 - EP US); **E21B 33/085** (2013.01 - EP US); **E21B 43/126** (2013.01 - EP US)

Citation (search report)
• [X] US 2008217023 A1 20080911 - RUTLEDGE RUSSELL P [US]
• [XP] US 2010291386 A1 20101118 - RUTLEDGE SR RUSSELL P [US]
• See references of WO 2011134085A1

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US 2011266005 A1 20111103; AR 080998 A1 20120530; AU 2011245006 A1 20121129; AU 2011245006 B2 20160811;
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