

Title (en)

Method and apparatus for removing liquid from a gas well

Title (de)

Verfahren und System zum Entfernen von Flüssigkeit aus einem Erdgasbohrloch

Title (fr)

Procédé et système d'extraction du liquide d'un puits de gaz

Publication

EP 1916380 A1 20080430 (EN)

Application

EP 06255476 A 20061024

Priority

EP 06255476 A 20061024

Abstract (en)

A method of removing liquid from a gas well having a production tubing with a restriction therein run into the upper portion thereof and wherein a plunger lift system is arranged within the production tubing, the plunger lift system comprising an upper limiting means, a lower limiting means, a plunger that is capable of moving between the upper and lower limiting means, and a one-way valve situated at or above the upper limiting means that is capable of allowing fluid passage therethrough in an upward direction but not in a downward direction.

IPC 8 full level

E21B 43/12 (2006.01); **F04B 47/12** (2006.01)

CPC (source: EP US)

E21B 43/13 (2020.05 - EP US); **F04B 47/12** (2013.01 - EP US)

Citation (search report)

- [XY] US 2160291 A 19390530 - SCOTT CLARENCE N
- [XY] US 2676547 A 19540427 - KNOX DONALD G
- [X] US 7080692 B1 20060725 - KEGIN KEVIN L [US]

Cited by

CN104820749A; US8834133B2; US8511390B2; WO2011079218A3; US10030490B2; EP2085572A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1916380 A1 20080430; AT E479823 T1 20100915; DE 602007008930 D1 20101014; EA 015024 B1 20110429; EA 200900508 A1 20091230; EP 2076654 A1 20090708; EP 2076654 B1 20100901; US 2009321083 A1 20091231; WO 2008050095 A1 20080502

DOCDB simple family (application)

EP 06255476 A 20061024; AT 07824246 T 20071019; DE 602007008930 T 20071019; EA 200900508 A 20071019; EP 07824246 A 20071019; GB 2007003997 W 20071019; US 31200207 A 20071019