

Title (en)  
Wireline pump

Title (de)  
Drahtleitungspumpe

Title (fr)  
Pompe à câble métallique

Publication  
**EP 2725189 A1 20140430 (EN)**

Application  
**EP 12190177 A 20121026**

Priority  
EP 12190177 A 20121026

Abstract (en)

The present invention relates to a wireline pumping assembly (1) for being introduced in a wellbore (60) or a casing (61) and submerged in well fluid. The wireline pumping assembly extends in a longitudinal direction (50) and is adapted for connection with a wireline (60). Furthermore, the wireline pumping assembly comprises a pump section (2) comprising a tubular pump housing (20) providing a pump chamber (210); one or more inlets (21) provided in a lower part of the tubular pump housing; a first valve (22) for opening and closing the inlet; a plunger (23) being slidingly disposed in the pump chamber, the plunger comprising a second valve (242) controlling a flow of fluid from a first compartment (202) of the pump chamber below the plunger to a second compartment (203) of the pump chamber above the plunger; a pump rod operably connected to the plunger and extending from the plunger through the tubular pump housing; and one or more outlets (27) provided in an upper part of the tubular pump housing. The wireline pumping assembly further comprises a linear actuator (40) arranged in association with the tubular pump housing for driving the pump rod, whereby, when the wireline pumping assembly is at least partially submerged into the well fluid, well fluid is drawn into the tubular pump housing through the one or more inlets, forced through the second valve of the plunger, and expelled through the one or more outlets in the upper part of the tubular pump housing. Furthermore, the invention relates to a use of the wireline pumping assembly, a method of initiating a well using a wireline pumping assembly and a method of optimising an initiation operation.

IPC 8 full level  
**E21B 43/12** (2006.01); **F04B 9/103** (2006.01); **F04B 47/08** (2006.01); **F04B 47/12** (2006.01)

CPC (source: CN EP US)  
**E21B 43/128** (2013.01 - CN EP US); **F04B 9/02** (2013.01 - US); **F04B 17/03** (2013.01 - US); **F04B 19/003** (2013.01 - US); **F04B 19/22** (2013.01 - US); **F04B 47/02** (2013.01 - CN EP US); **F04B 53/14** (2013.01 - US); **F04B 53/16** (2013.01 - US)

Citation (search report)

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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2725189 A1 20140430**; AU 2013336649 A1 20150528; AU 2013336649 B2 20160526; BR 112015008032 A2 20170704; CA 2887541 A1 20140501; CN 104704196 A 20150610; EP 2912261 A1 20150902; MX 2015004445 A 20150624; RU 2015117243 A 20161220; US 2015308243 A1 20151029; WO 2014064254 A1 20140501

DOCDB simple family (application)  
**EP 12190177 A 20121026**; AU 2013336649 A 20131025; BR 112015008032 A 20131025; CA 2887541 A 20131025; CN 201380052775 A 20131025; EP 13783058 A 20131025; EP 2013072401 W 20131025; MX 2015004445 A 20131025; RU 2015117243 A 20131025; US 201314437023 A 20131025