

Title (en)  
PUMPING SYSTEM AND METHOD

Title (de)  
PUMPSYSTEM UND -VERFAHREN

Title (fr)  
PROCÉDÉ ET SYSTÈME DE POMPAGE

Publication  
**EP 3135859 A3 20170531 (EN)**

Application  
**EP 16183123 A 20160805**

Priority

- US 2015043694 W 20150805
- US 201514956601 A 20151202
- US 201514956527 A 20151202
- US 201514956545 A 20151202
- US 201514956863 A 20151202

Abstract (en)  
[origin: EP3128122A1] A hydraulic pumping method for use with a subterranean well can include mounting a hydraulic actuator above a wellhead, the hydraulic actuator and the wellhead being axially aligned with each other and inclined relative to vertical. The hydraulic actuator can be unsupported by any substructure or guy wires after the mounting. A hydraulic pumping system for use with a subterranean well can include a hydraulic actuator including a piston that displaces in response to pressure in the actuator, a magnet that displaces with the piston, and a magnetic field sensor that detects a presence of the magnet. The hydraulic actuator may be mounted above a wellhead, with the hydraulic actuator and the wellhead being axially aligned with each other and inclined relative to vertical.

IPC 8 full level  
**E21B 43/12** (2006.01)

CPC (source: EP US)  
**E21B 43/126** (2013.01 - EP US)

Citation (search report)

- [A] US 4848085 A 19890718 - ROSMAN ALAN H [US]
- [A] US 4762473 A 19880809 - TIEBEN JAMES B [US]
- [A] US 7600563 B2 20091013 - BRECHEISEN MARION [US]
- [A] US 4707993 A 19871124 - KIME JAMES A [US]

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 3128122 A1 20170208; EP 3128122 B1 20200923;** EP 3128123 A2 20170208; EP 3128123 A3 20170531; EP 3128123 B1 20200729; EP 3135859 A2 20170301; EP 3135859 A3 20170531; EP 3135859 B1 20180926; EP 3135860 A2 20170301; EP 3135860 A3 20170524; EP 3135860 B1 20200729

DOCDB simple family (application)  
**EP 16183105 A 20160805;** EP 16183114 A 20160805; EP 16183123 A 20160805; EP 16183126 A 20160805