

Title (en)
HYDRAULICALLY DRIVEN TRACTOR

Title (de)
HYDRAULISCH BETRIEBENER TRAKTOR

Title (fr)
TRACTEUR À COMMANDE HYDRAULIQUE

Publication
EP 2097608 B1 20111123 (EN)

Application
EP 07859540 A 20071228

Priority
• IB 2007055336 W 20071228
• US 88311507 P 20070102
• US 77218107 A 20070630

Abstract (en)
[origin: US2008066963A1] A large scale hydraulically driven downhole reciprocating tractor to display substantially continuous advancement. The tractor may be configured to pull coiled tubing downhole in a continuous manner so as to substantially avoid static frictional resistance to the pulling. As a result, the tractor and coiled tubing may achieve up to about twice the depth into the well otherwise attainable. Additionally, the tractor may include a fail safe mechanism whereby a plurality of pilot operated valves are employed to ensure that immobilization of at least one anchor of the tractor is present at all times during downhole advancement to thereby avoid the undesired effects of coiled tubing spring-back.

IPC 8 full level
E21B 4/18 (2006.01); **E21B 23/14** (2006.01)

CPC (source: EP US)
E21B 4/18 (2013.01 - EP US); **E21B 23/001** (2020.05 - EP); **E21B 23/14** (2013.01 - EP US); **E21B 23/001** (2020.05 - US)

Cited by
CN109973032A; RU2745495C1; WO2022093078A1

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2008066963 A1 20080320; AT E534795 T1 20111215; DK 2097608 T3 20120305; EP 2097608 A1 20090909; EP 2097608 B1 20111123; NO 20092418 L 20090929; PL 2097608 T3 20120430; RU 2009129540 A 20110210; RU 2009129541 A 20110210; RU 2471955 C2 20130110; WO 2008081402 A1 20080710

DOCDB simple family (application)
US 77218107 A 20070630; AT 07859540 T 20071228; DK 07859540 T 20071228; EP 07859540 A 20071228; IB 2007055336 W 20071228; NO 20092418 A 20090624; PL 07859540 T 20071228; RU 2009129540 A 20071228; RU 2009129541 A 20071228