

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)  
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