

Title (en)

METHOD OF FREEING STUCK DRILL PIPE

Title (de)

VERFAHREN ZUM LÖSEN EINES FESTSITZENDES BOHRGESTÄNGES

Title (fr)

PROCEDE PERMETTANT DE LIBERER UNE TIGE DE FORAGE COINCEE

Publication

EP 1454034 B1 20050511 (EN)

Application

EP 02782409 A 20021211

Priority

- US 0239502 W 20021211
- US 33952001 P 20011211

Abstract (en)

[origin: WO03050383A1] An auxiliary method for freeing a drill pipe stuck due to build up of filter cake, which provides a reduction in the amount of force required to free said pipe which comprises: a) Lowering an ultrasonic horn type device down the drill pipe to the point of contact between said drill pipe and mud filter cake; b) Producing ultrasonic energy at the point of contact until the contact area is sufficiently reduced such that substantially less force is required to free the pipe.

IPC 1-7

E21B 31/00; **E21B 7/24**

IPC 8 full level

E21B 31/00 (2006.01)

CPC (source: EP)

E21B 31/005 (2013.01)

Designated contracting state (EPC)

GB NL

DOCDB simple family (publication)

WO 03050383 A1 20030619; AU 2002348211 A1 20030623; BR 0214858 A 20041103; CA 2469166 A1 20030619; CA 2469166 C 20101102; CN 1320252 C 20070606; CN 1602386 A 20050330; EA 006033 B1 20050825; EA 200400797 A1 20050630; EP 1454034 A1 20040908; EP 1454034 B1 20050511; OA 12742 A 20060630

DOCDB simple family (application)

US 0239502 W 20021211; AU 2002348211 A 20021211; BR 0214858 A 20021211; CA 2469166 A 20021211; CN 02824625 A 20021211; EA 200400797 A 20021211; EP 02782409 A 20021211; OA 1200400170 A 20021211