

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**

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