

Title (en)

DEVICE FOR PULLING A DRILL PIPE STRING FROM A BORE HOLE AND FOR LOOSENING PIPE JOINTS

Publication

EP 0130450 B1 19860903 (DE)

Application

EP 84106922 A 19840616

Priority

DE 3323391 A 19830629

Abstract (en)

[origin: EP0130450A1] 1. Apparatus for the pulling of bore hole tubes (5, 6) from a bore hole and the release of the screw coupling (breaking) by means of a fluid-operated working piston/cylinder unit (cylinder), characterised by a pulling cylinder (1) operating, together with the breaking device, in the axial direction of the bore hole tubes (5, 6), supported, at its ends, on the one hand on a base plate (11) and on the other hand on a breaking device (17), gripping jaw units (18, 19) arranged axially one after another, rotatable radially in opposite senses and comprising two gripping cylinders (34, 35) by means of which the bore hole tubes (5, 6) are gripped, and a release cylinder operable in the peripheral direction in relation to the bore hole tubes (5, 6) and supported on each of the gripping jaw units.

IPC 1-7

E21B 19/20

IPC 8 full level

B25B 21/00 (2006.01); **E21B 19/16** (2006.01); **E21B 19/20** (2006.01)

CPC (source: EP)

B25B 21/002 (2013.01); **E21B 19/16** (2013.01); **E21B 19/20** (2013.01)

Cited by

DE102014208113A1; CN103552013A; EP0389289A1; US10287832B2; WO9948648A3

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0130450 A1 19850109; **EP 0130450 B1 19860903**; AT E21954 T1 19860915; DE 3323391 A1 19850110; DE 3460612 D1 19861009

DOCDB simple family (application)

EP 84106922 A 19840616; AT 84106922 T 19840616; DE 3323391 A 19830629; DE 3460612 T 19840616