

Title (en)

METHOD AND APPARATUS FOR LUBRICATING A DRILL BIT

Publication

EP 0106701 A3 19860205 (EN)

Application

EP 83306325 A 19831018

Priority

- US 43523982 A 19821019
- US 48290783 A 19830407

Abstract (en)

[origin: EP0106701A2] A method and apparatus for providing a flow of lubricating fluid from a surface-mounted lubricating fluid source (20) through a rotatable drill pipe (16) to rotary cutting cones of a rotary drill bit (12) for drilling in an underground formation, including pump means (24) for providing a flow of lubricating fluid from the fluid source to an end of the drill pipe. Drill pipe conduit means extending along the length of the drill pipe is provided for receiving the flow of lubricating fluid and for directing the lubricating fluid flow along the drill pipe to the drill bit. Distribution conduit means at the drill bit extends from the drill pipe conduit means to the cutting cones and receives the flow of lubricating fluid from the drill pipe conduit means for directing the lubricating fluid flow to the cutting cones for lubrication thereof.

IPC 1-7

E21B 21/12; **E21B 17/18**; **E21B 10/24**; **E21B 10/18**

IPC 8 full level

E21B 10/18 (2006.01); **E21B 10/23** (2006.01); **E21B 10/24** (2006.01); **E21B 21/16** (2006.01)

CPC (source: EP)

E21B 10/18 (2013.01); **E21B 10/23** (2013.01); **E21B 21/16** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

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