

Title (en)
CORE-DRILLING TOOL

Publication
EP 0338367 A3 19910327 (DE)

Application
EP 89106285 A 19890410

Priority
DE 3813508 A 19880422

Abstract (en)
[origin: EP0338367A2] The core-drilling tool for rock bores in underground soil formations comprises an outer tube (6) which can be connected at its top end via attachment means to the bottom end of a drill-pipe string (3), which can be set in drive rotation, and at its bottom end to a core-drilling bit (7), and an inner tube (8) which forms a construction unit which can be conveyed separately to the surface and has a support part (18), which is supported in the outer tube (6) in such a way that it rotates with the latter, as well as a core-tube part (20) for receiving a bored core, which core-tube part (20) is suspended on the support part (18) by means of a bearing arrangement in such a way as to be locked against rotation relative to the outer tube (6). Here, the core-tube part (20) is provided with a measuring unit (10), arranged in its upper area, for recording, processing and storing data from the working face, which data form drill-hole, drilling-core and/or drilling-process parameters.

IPC 1-7
E21B 25/02; **E21B 47/00**; **E21B 47/12**

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E21B 25/02 (2006.01); **E21B 25/16** (2006.01); **E21B 47/00** (2012.01); **E21B 47/01** (2012.01); **E21B 47/12** (2012.01)

CPC (source: EP US)
E21B 25/02 (2013.01 - EP US); **E21B 25/16** (2013.01 - EP US); **E21B 47/013** (2020.05 - EP US); **E21B 47/26** (2020.05 - EP US)

Citation (search report)

- [X] GB 2188352 A 19870930 - BRITISH PETROLEUM CO PLC
- [Y] GB 1433265 A 19760422 - MCCULLOGH I J
- [YD] US 4499955 A 19850219 - CAMPBELL FRANK L [US], et al
- [Y] US 4400858 A 19830830 - GOIFFON JOHN J [US], et al
- [Y] US RE32336 E 19870127
- [A] US 2820610 A 19580121 - MARTINEZ JOSEPH D
- [AD] US 4161782 A 19790717 - MCCracken OLIVER W [US]
- [A] US 4778402 A 19881018 - SCHOEPPF VICTOR L [US]
- [A] EP 0253473 A2 19880120 - DIAMANT BOART LTD [GB]
- [A] US 2670179 A 19540223 - NATLAND MANLEY L, et al
- [A] GB 1096388 A 19671229 - TEXACO DEVELOPMENT CORP

Cited by
BE1011199A3; GB2253427A; GB2253427B; GB2220961B; WO9400670A1

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