

Title (en)
CORING TOOL FOR ROCK DRILLING

Publication
EP 0242728 A3 19890222 (DE)

Application
EP 87105301 A 19870410

Priority
DE 3613265 A 19860419

Abstract (en)
[origin: US4773489A] A core drilling tool for bore-holes includes a stem for connection to the string and an outer rotating tube for rotating a drill bit mounted thereon. A core tube is mounted in a central passage by a latch means to remove the core tube and/or replace it. The outer tube is rotated by a downhole motor such as a Moineau type motor. The diameter of the central passage through the stator is equal to the maximum diameter of the core tube plus the eccentricity of the stator to permit passage of the core tube into and out of the tool. Thus coring can be achieved without tripping the tool. Various details of the structure are described.

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E21B 25/02; **E21B 4/02**

IPC 8 full level
E21B 4/02 (2006.01); **E21B 25/02** (2006.01)

CPC (source: EP US)
E21B 4/02 (2013.01 - EP US); **E21B 25/02** (2013.01 - EP US)

Citation (search report)
• [A] US 2944792 A 19600712 - CHARLES GROS
• [AD] DE 2953873 C2 19850131
• [A] US 4466497 A 19840821 - SOINSKI ALEXANDER F [US], et al
• [A] US 3951219 A 19760420 - CORTES ABEL C
• [AD] US 3055440 A 19620925 - WLADIMIR TIRASPOLSKY, et al

Cited by
CN105971538A; CN105672890A

Designated contracting state (EPC)
BE FR GB NL

DOCDB simple family (publication)
EP 0242728 A2 19871028; **EP 0242728 A3 19890222**; **EP 0242728 B1 19920311**; CA 1285550 C 19910702; DE 3613265 A1 19871022; DE 3613265 C2 19880630; NO 871621 D0 19870415; NO 871621 L 19871020; US 4773489 A 19880927

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