

Title (en)
DRILLING TOOL WITH EXPANSIBLE CUTTERS

Publication
EP 0043000 B1 19840502 (DE)

Application
EP 81104350 A 19810605

Priority
DE 3024656 A 19800630

Abstract (en)
[origin: ES8204334A1] A bore undercutting tool which is composed of a barrel and a cutter feed driver which is inserted for longitudinal displacement but also for co-rotation into the barrel and projects from the rearward end thereof. In a slot provided in the forward end portion of the barrel there is fulcrumed a cutter in the form of a two-armed lever which can be rocked by a cutter feed cam provided on the forward end of the cutter feed driver, in proportion to the longitudinal displacement of the latter relative to the barrel, such that a cutting tool disposed on the one lever arm can either be retracted into the slot or rocked out of same. A spring biases the barrel and the cutter feed driver toward a position in which the cutting tool is withdrawn into the slot.

IPC 1-7
E21B 10/32

IPC 8 full level
B28D 1/14 (2006.01); **E21B 10/32** (2006.01)

CPC (source: EP US)
E21B 10/32 (2013.01 - EP US); **Y10T 82/128** (2015.01 - EP US); **Y10T 408/85884** (2015.01 - EP US)

Cited by
EP0408379A1; US4502554A; EP0370204A1; GB2223550A

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 0043000 A1 19820106; EP 0043000 B1 19840502; AT E7325 T1 19840515; CA 1157464 A 19831122; DE 3024656 A1 19820121; DE 3024656 C2 19820812; ES 503444 A0 19820516; ES 8204334 A1 19820516; JP S5739915 A 19820305; US 4411324 A 19831025

DOCDB simple family (application)
EP 81104350 A 19810605; AT 81104350 T 19810605; CA 380357 A 19810622; DE 3024656 A 19800630; ES 503444 A 19810626; JP 10072081 A 19810630; US 27855881 A 19810629