

Title (en)
Earth drilling tool and method

Title (de)
Erdbohrwerkzeug und -verfahren

Title (fr)
Outil et procédé de forage du sol

Publication
EP 2339109 A2 20110629 (EN)

Application
EP 10196499 A 20101222

Priority
SE 0951022 A 20091223

Abstract (en)
The present invention relates to a drilling tool for down-the-hole drilling, which drilling tool is intended to drill a hole ahead of a following casing tube, the drilling tool comprising a drill assembly which comprises a central pilot drill bit portion, a peripheral ring shaped drill bit portion and a casing shoe, said assembly being coupled to a drill string wherein the drill string is connected to the assembly via a drive shaft device which releasably interfits with the central pilot drill bit portion for transmitting torque from the drill string to the drill assembly.

IPC 8 full level
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CPC (source: EP)
E21B 7/20 (2013.01); **E21B 7/208** (2013.01); **E21B 10/64** (2013.01)

Citation (applicant)
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• US 4773489 A 19880927 - MAKOHL FRIEDHELM [DE]
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CN102561951A; CN104220691A; JP2019112835A; JP2018062788A; EP3498967A4; WO2014001601A1; US10851593B2

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