

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)  
• EP 1402146 A1 20040331 - LOEF UNO [SE]  
• US 4773489 A 19880927 - MAKOHL FRIEDHELM [DE]  
• US 5803192 A 19980908 - HOLTE ARDIS L [US]  
• WO 9534740 A1 19951221 - ILOMAEKI VALTO [FI]

Cited by  
CN102561951A; CN104220691A; JP2019112835A; JP2018062788A; EP3498967A4; WO2014001601A1; US10851593B2

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DOCDB simple family (publication)  
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