

Title (en)
Earth displacement drill

Title (de)
Erdverdrängungsbohrer

Title (fr)
Trepan de forage

Publication
EP 1564367 A1 20050817 (DE)

Application
EP 04003435 A 20040216

Priority
EP 04003435 A 20040216

Abstract (en)
Displacement drill comprises a drill pipe (10) running linearly up to the drill head (12), a mixing element (40) rigidly fixed to the outer periphery of the drill pipe, and radially protruding ribs arranged on the drill head. An independent claim is also included for a process for the production of a drill head using the displacement drill. Preferred Features: The mixing element does not radially protrude over the drill head and extends radially outward up to the largest radius of the drill head. The mixing element is arranged directly above the drill head.

Abstract (de)
Ein Erdverdrängungsbohrer weist ein Bohrrohr (10) und einen an dessen Ende angeordneten Bohrkopf (12) auf, wobei der Radius des Bohrrohres geringer als der größte Radius des Bohrkopfes ist. Am Außenumfang des Bohrkopfes ist ein sich in Längsrichtung des Bohrrohres erstreckendes Mischelement (40) vorgesehen. <IMAGE>

IPC 1-7
E21B 21/00; **E21B 33/138**

IPC 8 full level
E21B 10/44 (2006.01); **E21B 21/00** (2006.01); **E21B 33/138** (2006.01)

CPC (source: EP US)
E02D 5/72 (2013.01 - EP); **E21B 10/44** (2013.01 - EP); **E21B 21/062** (2013.01 - EP US); **E21B 33/138** (2013.01 - EP)

Citation (search report)

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Designated contracting state (EPC)
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