

Title (en)
Earth displacement drill

Title (de)
Erdverdrängungsbohrer

Title (fr)
Trepan de forage

Publication
EP 1564367 B1 20060830 (DE)

Application
EP 04003435 A 20040216

Priority
EP 04003435 A 20040216

Abstract (en)
[origin: EP1564367A1] 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.

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

Cited by
EP2011958A1; WO2018011659A1; US10683630B2; EP3485096B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1564367 A1 20050817; EP 1564367 B1 20060830; AT E338195 T1 20060915; DE 502004001336 D1 20061012

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