

Title (en)
Deviation resistant drilling guide rod

Title (de)
Abweichungsbeständige Bohrführungsstange

Title (fr)
Tige de guidage de forage résistant à une déviation

Publication
EP 3048239 A1 20160727 (EN)

Application
EP 15152431 A 20150126

Priority
EP 15152431 A 20150126

Abstract (en)
An elongate drilling guide rod (100) for percussive drilling comprising a deviation resistant section (107) extending axially along at least part of a main length section (106) of the rod (101). The deviation resistant section comprises a circumferentially non-uniform cross sectional wall thickness that includes two diametrically opposed thick regions and two diametrically opposed thin regions. A guide rod is provided being appreciably stiffer and having a larger area moment of inertia in one axis perpendicular to the longitudinal axis of the rod.

IPC 8 full level
E21B 1/00 (2006.01); **E21B 17/00** (2006.01)

CPC (source: EP US)
E21B 1/00 (2013.01 - EP US); **E21B 17/00** (2013.01 - EP)

Citation (applicant)
• GB 721261 A 19550105 - ATLAS DIESEL AB
• GB 776892 A 19570612 - HELLEFORS BRUKS AKTIEBOLAG
• DE 2602021 A1 19770728 - RUHRKOHLE AG
• EP 0066891 A2 19821215 - RUHRKOHLE AG [DE]
• GB 2090891 A 19820721 - MOBIL OIL CORP
• RU 2029850 C1 19950227 - TS LAB NI I O RABOT OB EDINENI [SU]

Citation (search report)
• [IY] GB 2025571 A 19800123 - FAGERSTA AB
• [YA] US 4653598 A 19870331 - SCHUH FRANK J [US], et al
• [YA] CA 2550801 A1 20071222 - BOART LONGYEAR INC [CA]
• [A] GB 2321073 A 19980715 - BOART LONGYEAR INC [CA]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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DOCDB simple family (application)
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