

Title (en)

BEARING BLOCKS FOR DRILL BITS, DRILL BIT ASSEMBLIES INCLUDING BEARING BLOCKS AND RELATED METHODS

Title (de)

LAGERBLÖCKE FÜR BOHRKRONEN, BOHRKRONENANORDNUNGEN MIT LAGERBLÖCKEN UND ZUGEHÖRIGE VERFAHREN

Title (fr)

BLOCS DE SUPPORT POUR TRÉPANS, ENSEMBLES DE TRÉPANS COMPRENANT DES BLOCS DE SUPPORT ET PROCÉDÉS ASSOCIÉS

Publication

EP 2425089 A4 20140604 (EN)

Application

EP 10770172 A 20100426

Priority

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- US 17441209 P 20090430

Abstract (en)

[origin: US2010276200A1] Methods of drilling subterranean formations include coupling at least one bearing block having an initial thickness to a drill bit, engaging a formation with the drill bit within an initial depth of cut range, and reducing the initial thickness of the bearing block by contacting the formation to cause the initial depth of cut range to be at least partially increased. Methods of forming drill bits for drilling subterranean formations include forming at least one rubbing surface of at least one bearing block from at least one material exhibiting a reduced coefficient of friction and coupling the at least one bearing block to the drill bit. Drill bit assemblies include at least one bearing block having a distal portion configured to provide an initial depth of cut range and a base portion configured to provide an increased depth of cut range greater than the initial depth of cut range.

IPC 8 full level

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CPC (source: EP US)

E21B 10/43 (2013.01 - EP US); **E21B 10/55** (2013.01 - EP US)

Citation (search report)

- [XY] US 2008308321 A1 20081218 - ALIKO ENIS [IT], et al
- [Y] US 2006157279 A1 20060720 - CARIVEAU PETER T [US], et al
- See references of WO 2010126817A2

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DOCDB simple family (publication)

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