

Title (en)

Reinforcing overlay for matrix bit bodies

Title (de)

Verstärkende Deckschicht für Matrixbitkörper

Title (fr)

Recouvrement de renforcement pour corps de trépan matriciel

Publication

EP 1944461 A2 20080716 (EN)

Application

EP 07120761 A 20071115

Priority

US 65086007 A 20070108

Abstract (en)

A drill bit that includes a matrix bit body having a reinforcing overlay thereon and having at least one blade thereon; at least one cutter pocket disposed on the at least one blade; at least one cutter disposed in the at least one cutter pocket; and a braze material disposed between the at least one cutter and the at least one cutter pocket, wherein the reinforcing overlay comprises carbide particles and at least one binder and has a melting point greater than a melting point of the braze material is disclosed.

IPC 8 full level

E21B 10/54 (2006.01); **E21B 10/55** (2006.01)

CPC (source: EP US)

E21B 10/54 (2013.01 - EP US); **E21B 10/55** (2013.01 - EP US)

Cited by

US9987726B2; US11808089B2

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GB

Designated extension state (EPC)

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