Title (en)

Nozzle structure for rotary drill bits.

Title (de)

Düsenstruktur für Drehbohrmeissel.

Title (fr)

Structure de duse pour trépans de forage rotatif.

Publication

EP 0669449 A3 19960605 (EN)

Application

EP 95300879 A 19950213

Priority

GB 9403544 A 19940224

Abstract (en)

[origin: EP0669449A2] A nozzle structure for use in a rotary drill bit comprises an inner portion (36) which is formed with a passage through which, in use, drilling fluid may pass, and an outer portion (38) formed with an external screw thread (39) whereby the nozzle structure may be screwed into a corresponding internally screw threaded socket in a drill bit. At least the screw threaded outer portion (38) of the nozzle structure is formed from solid infiltrated matrix material so as to be resistant to erosion and damage. The inner and outer portions may be separate, integral or secured together. <IMAGE>

IPC 1-7

E21B 10/60

IPC 8 full level

B05B 15/06 (2006.01); **B05B 15/65** (2018.01); **B22F 3/26** (2006.01); **B22F 5/06** (2006.01); **E21B 10/60** (2006.01); **E21B 10/61** (2006.01); **E21B 10/62** (2006.01)

CPC (source: EP)

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