

Title (en)

Nozzle for high pressure injection drill system and high pressure injection drill tool

Title (de)

Injektionsdüse für Hochdruckinjektionsbohrsysteme sowie Hochdruckinjektionsbohrwerkzeug

Title (fr)

Buse pour système de forage d'injection à haute pression et outil de forage d'injection à haute pression

Publication

EP 1213055 B1 20070613 (DE)

Application

EP 01128905 A 20011205

Priority

DE 20020783 U 20001206

Abstract (en)

[origin: EP1213055A1] Injection nozzle for high-pressure injection drilling systems comprises a nozzle body and a fluid channel (8) for the injection fluid having a non-round internal cross-section and extending through the nozzle body in a longitudinal direction. An Independent claim is also included for a high-pressure injection drilling tool comprising the above injection nozzle. Preferred Features: Rib-shaped guide profiles (9) protrude into the fluid channel. The guide profiles extend in the longitudinal direction of the nozzle, preferably over the entire length of the nozzle. The injection nozzle has a star-shaped internal cross-section.

IPC 8 full level

B05B 1/34 (2006.01); **B05B 1/02** (2006.01); **E02D 3/12** (2006.01); **E21B 33/10** (2006.01); **E21B 41/00** (2006.01)

CPC (source: EP US)

B05B 1/02 (2013.01 - EP); **B05B 1/3402** (2018.08 - EP US); **E02D 3/12** (2013.01 - EP); **E21B 41/0078** (2013.01 - EP)

Cited by

US10351893B2; EP3359291B1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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