

Title (en)

Tube for core drill

Title (de)

Bohrkronenrohr

Title (fr)

Tube pour couronne

Publication

EP 0739673 B1 19981223 (DE)

Application

EP 96105303 A 19960403

Priority

- DE 19515435 A 19950427
- DE 19602903 A 19960127

Abstract (en)

[origin: EP0739673A1] The inner and/or outer peripheral surfaces (2,3) of the drill bit tube (1) incorporate a structure (4-7,9,10) providing stiffening in the axial direction, without increasing material thickness. The structure can be formed by embossed protrusions (9) and/or recesses (10) formed in one of the surfaces. These can consist of grooves running for the full length of the bit, and which can be closed. The structure can extend over the entire cross-section of the tubular bit. Alternatively it can be formed by curved wall segments. The bit can be of polygonal cross-section, or can have corrugations running in the peripheral, direction.

IPC 1-7

B23B 51/04

IPC 8 full level

E21B 10/02 (2006.01); **B23D 61/02** (2006.01); **B23D 65/00** (2006.01); **B28D 1/04** (2006.01); **B28D 1/14** (2006.01); **E21B 17/22** (2006.01)

CPC (source: EP US)

B23D 61/025 (2013.01 - EP US); **B23D 65/00** (2013.01 - EP US); **B28D 1/041** (2013.01 - EP US); **E21B 17/22** (2013.01 - EP US); **Y10S 408/703** (2013.01 - EP US); **Y10T 408/895** (2015.01 - EP US); **Y10T 408/8957** (2015.01 - EP US)

Cited by

EP3184216A1; EP3501712A1; CN110035854A; CN103660044A; CN110035853A; EP3501706A1; EP3501709A1; EP0844055A1; US5980168A; CN105437391A; EP3501703A1; WO2019121475A1; WO2017108461A1; WO2019121140A1; WO2019121472A1; WO2019121470A1

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