Title (en)

DRILL STRING COMPONENTS RESISTANT TO JAMMING

Title (de)

VERSTOPFUNGSBESTÄNDIGE BOHRSTRANGKOMPONENTE

Title (fr)

COMPOSANTS DE TRAIN DE TIGES DE FORAGE RÉSISTANTS AU CALAGE

Publication

EP 2935758 A1 20151028 (EN)

Application

EP 13865824 A 20131217

Priority

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Abstract (en)

[origin: WO2014099902A1] Aspects of the present invention include drill string components having a thread extending around a body. The leading end of the thread can have a configuration that resists jamming and cross-threading. In particular, the leading end of the thread can include a planar surface normal to the body. The leading end of the thread can provide an abrupt transition to full thread depth that helps reduce or eliminate cross-threading. The leading end of the thread can be oriented at an angle relative to the axis of the drill string component. When mating male and female threads are similarly structured, the mating threads slide together along an interface at the thread start face and are drawn into a fully thread-coupled condition. The thread starts may have full circumference mating with no jamming positions.

IPC 8 full level

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