

Title (en)
Coupling for percussion rods

Title (de)
Bohrwerkzeug, insbesondere zur Bearbeitung von Gestein

Title (fr)
Accouplement pour tiges de forage à percussion

Publication
EP 0771934 B1 20030423 (DE)

Application
EP 96116533 A 19961016

Priority
DE 19541163 A 19951104

Abstract (en)
[origin: EP0771934A2] The drilling tool has parts which can be connected to one another using a thread (8,8'). The thread connection is in the form of a modified round thread. In order to avoid high wedge forces on the external thread of a threaded spigot (6) and/or on the internal thread of a threaded nut (7), threaded sections (14,15,15') are arranged with parallel axes on each shaft raised surface (11,11') and/or in each shaft depression (12,12'). The region (18,18') between the threaded sections is formed by a continuous curved groove.

IPC 1-7
E21B 17/042

IPC 8 full level
E21B 17/042 (2006.01)

CPC (source: EP)
E21B 17/0426 (2013.01)

Cited by
US9643264B2; US9643262B2; CN102493515A; US7329073B2; AT13405U1; US9770766B2; CN104582882A; EP3045243A1; WO2004074624A1; WO0244512A1; US9815122B2; WO2011123875A2; US9889509B2; WO2014026975A1

Designated contracting state (EPC)
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EP 0771934 A2 19970507; EP 0771934 A3 19980617; EP 0771934 B1 20030423; DE 19541163 A1 19970507; DE 59610370 D1 20030528

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