

Title (en)

CONNECTION OF FLUID FLOW PATH-DEFINING COMPONENTS IN DOWN-THE-HOLE HAMMER DRILLS

Publication

**EP 0011219 B1 19830525 (EN)**

Application

**EP 79104336 A 19791106**

Priority

GB 7844128 A 19781110

Abstract (en)

[origin: EP0011219A1] A connection for rod-like components, such as fluid flow path-defining components in a fluid powered free-piston down-the-hole hammer drill, comprising inner and outer components (7,5) having adjacent overlapping surfaces is characterised by at least one circumferential recess (9,11) in each of the overlapping surfaces, the recesses (9,11) being opposed to define one or more annular spaces each accommodating an elastomeric sealing/retaining ring (8). The overlapping surfaces are preferably a close fit one within the other and have a plurality of said recesses (9,11) spaced-apart to accommodate correspondingly spaced rings (8) to distribute stresses between the components (7,5) and to maintain alignment thereof.

IPC 1-7

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IPC 8 full level

**F16B 7/00** (2006.01); **E21B 4/06** (2006.01); **E21B 4/14** (2006.01); **E21B 17/04** (2006.01); **E21B 17/07** (2006.01)

CPC (source: EP)

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