

Title (en)

Connection of fluid flow path-defining components in down-the-hole hammer drills.

Title (de)

Verbindung der flüssigkeitsaufnehmenden Teile von Tieflochbohrhämern.

Title (fr)

Jonction d'éléments définissant un passage d'écoulement de fluid pour marteau perforateur mis en oeuvre au fond d'un trou de forage.

Publication

EP 0011219 A1 19800528 (EN)

Application

EP 79104336 A 19791106

Priority

GB 7844128 A 19781110

Abstract (en)

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.

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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