

Title (en)

MULTI-TRIP ANNULAR SEAL REPAIR METHOD AND ASSOCIATED EQUIPMENT

Title (de)

REPARATURVERFAHREN FÜR EINE MULTITRIP-RINGDICHTUNG UND ZUGEHÖRIGE AUSRÜSTUNG

Title (fr)

PROCÉDÉ DE RÉPARATION DE JOINT ANNULAIRE MULTI-TRAJET ET ÉQUIPEMENT ASSOCIÉ

Publication

**EP 4248060 A1 20230927 (EN)**

Application

**EP 21815639 A 20211122**

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Abstract (en)

[origin: WO2022106849A1] A multi-trip method of repairing a leaking annular seal located within an annulus that encircles an oil/gas wellbore tubular body, examples of such seals including annular packers or cement seals. The method comprises providing deflector within a wellbore tubular body adjacent to one or more openings in the wall of the tubular body. Alloy beads are then deployed downhole via the tubular body so that the alloy beads are deflected via said openings into the annulus where they accumulate on top of the annular seal. A heating tool is then operated to heat the alloy within the annulus to form an alloy plug above the annular seal. The present invention also provides various pieces of downhole equipment for use in the repair method of the invention.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2022106849A1

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