

Title (en)

ANNULAR BARRIER WITH PRESSURE-INTENSIFYING UNIT

Title (de)

RINGFÖRMIGE BARRIERE MIT DRUCKVERSTÄRKUNGSEINHEIT

Title (fr)

BARRIÈRE ANNULAIRE DOTÉE D'UNE UNITÉ MULTIPLICATRICE DE PRESSION

Publication

EP 3978722 A1 20220406 (EN)

Application

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Priority

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Abstract (en)

The present invention relates to an annular barrier to be expanded in an annulus between a well tubular metal structure and an inside wall of a borehole downhole for providing zone isolation between a first zone and a second zone of the borehole, comprising a tubular metal part for mounting as part of the well tubular metal structure, an expandable metal sleeve surrounding the tubular metal part, each end of the expandable metal sleeve being connected with the tubular metal part, an expandable space between the expandable metal sleeve and the tubular metal part, and an expansion opening in the tubular metal part through which fluid enters in order to expand the expandable metal sleeve, wherein the annular barrier further comprises a pressure-intensifying unit. The invention also relates to a downhole system comprising a well tubular metal structure and an annular barrier.

IPC 8 full level

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Citation (search report)

- [A] EP 2565368 A1 20130306 - WELLTEC AS [DK]
- [A] EP 3327246 A1 20180530 - WELLTEC AS [DK]
- [A] EP 1138872 A1 20011004 - HALLIBURTON ENERGY SERV INC [US]
- [A] EP 2570588 A1 20130320 - WELLTEC AS [DK]

Designated contracting state (EPC)

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