

Title (en)
ANNULAR BARRIER FOR SMALL DIAMETER WELLS

Title (de)
RINGFÖRMIGE BARRIERE FÜR BOHRLÖCHER MIT KLEINEM DURCHMESSER

Title (fr)
BARRIÈRE ANNULAIRE DE Puits DE FAIBLE DIAMÈTRE

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Application
EP 17200098 A 20171106

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Abstract (en)
The present invention relates to an annular barrier for being mounted as part of a well tubular metal structure for providing zonal isolation in a small diameter borehole downhole for isolating a first zone from a second zone, comprising an expandable metal sleeve having a first end and a second end and an outer face facing the borehole, a first end part having a first end connected to the first end of the expandable metal sleeve and a second end for being mounted as part of the well tubular structure, a second end part having a first end connected to the second end of the expandable metal sleeve and a second end for being mounted as part of the well tubular structure, wherein the first end of the first end part is connected end to end to the first end of the expandable metal sleeve, and the first end of the second end part is connected end to end to the second end of the expandable metal sleeve, and wherein the second ends of the end parts are provided with male or female thread connections for being mounted to corresponding male or female thread connections of the well tubular metal structure. The present invention also relates to a well tubular metal structure having a plurality of tubular sections and at least one annular barrier according to the present invention, and to a completion method of preparing an annular barrier according to the present invention.

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Citation (search report)
• [XAYI] EP 2206879 A1 20100714 - WELLTEC AS [DK]
• [Y] EP 2789792 A1 20141015 - WELLTEC AS [DK]
• [A] US 2017218734 A1 20170803 - KUMAR SATISH [DK]
• [A] US 2010252278 A1 20101007 - HARRIS MICHAEL J [US], et al
• [A] EP 1624152 A2 20060208 - READ WELL SERVICES LTD [GB]

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