

Title (en)
ANNULAR BARRIER AND DOWNHOLE SYSTEM

Title (de)
RINGFÖRMIGE SCHRANKE UND BOHRLOCHSYSTEM

Title (fr)
BARRIÈRE ANNULAIRE ET SYSTÈME DE FOND DE PUIT

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Application
EP 21168969 A 20210416

Priority
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Abstract (en)
The present invention relates to an annular barrier for providing isolation of a zone in a well having an isolation layer of less than 5 metres, comprising a tubular metal part configured to be mounted as part of a well tubular metal structure, the tubular metal part having an outer face, an opening and an axial extension along the well tubular metal structure, a first expandable metal sleeve surrounding the tubular metal part, the first expandable metal sleeve having a first thickness, a first end and a second end, the first end of the expandable metal sleeve being connected with the outer face of the tubular metal part, a second expandable metal sleeve surrounding the tubular metal part, the second expandable metal sleeve having the same thickness as the first expandable metal sleeve, the second expandable metal sleeve having a first end connected with the outer face of the tubular metal part and a second end, and wherein the annular barrier comprises a first connecting sleeve having a second thickness being greater than the first thickness, the first connecting sleeve comprises a first sleeve end connected to the second end of the first expandable metal sleeve and a second sleeve end connected with the second end of the second expandable metal sleeve, and the annular barrier comprises an annular space defined between the tubular metal part, the first connecting sleeve and the expandable metal sleeves. The invention also relates to a downhole system comprising a plurality of the annular barriers and the well tubular metal structure.

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Citation (search report)
• [A] US 2019383114 A1 20191219 - VASQUES RICARDO REVES [CH]
• [A] US 5101908 A 19920407 - MODY RUSTOM K [US]
• [A] US 2011297400 A1 20111208 - PESSIN JEAN-LOUIS [FR], et al
• [A] EP 3327246 A1 20180530 - WELLTEC AS [DK]
• [A] EP 2876252 A1 20150527 - WELLTEC AS [DK]

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