

Title (en)  
DOWNHOLE COMPLETION SYSTEM SEALING AGAINST THE CAP LAYER

Title (de)  
BOHRLOCHVERVOLLSTÄNDIGUNGSSYSTEMABDICHTUNG GEGEN DIE DECKSCHICHT

Title (fr)  
ÉTANCHÉIFICATION D'UN SYSTÈME D'ACHÈVEMENT DE FOND DE TROU PAR RAPPORT À LA COUCHE DE COUVERTURE

Publication  
**EP 3159478 A1 20170426 (EN)**

Application  
**EP 15191258 A 20151023**

Priority  
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Abstract (en)  
The present invention relates to a downhole completion system for completing a well having a top, comprising a formation comprising a cap layer having an upper end and a lower end, a borehole extending through the cap layer to provide an inner cap layer face, a first well tubular metal structure arranged in the borehole comprising a first annular barrier and a second annular barrier. Each annular barrier comprises a tubular part, the tubular part being mounted as part of the first well tubular metal structure, an expandable tubular surrounding the tubular part, each end section of the expandable tubular being connected with the tubular part, an annular barrier space between the tubular part and the expandable tubular, and an expansion opening in the tubular part through which pressurised fluid passes for expanding the expandable tubular and bringing the annular barrier from an unexpanded position to an expanded position, wherein the first annular barrier is arranged at the upper end, and in the expanded position the expandable tubular of the first annular barrier overlaps the cap layer, and the second annular barrier is arranged at the lower end, and in the expanded position the expandable tubular of the second annular barrier overlaps the cap layer. Furthermore, the present invention relates to a completion method for a downhole completion system.

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CPC (source: EP)  
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Citation (search report)  
• [XY] EP 2728111 A1 20140507 - WELLTEC AS [DK]  
• [Y] EP 2206879 A1 20100714 - WELLTEC AS [DK]  
• [Y] EP 2853681 A1 20150401 - WELLTEC AS [DK]  
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