

Title (en)
HIGH-PRESSURE PIPE STRING FOR CONTINUOUS FUSION DRILLING OF DEEP WELLS, PROCESS AND DEVICE FOR MANUFACTURING, PROPELLING AND DISMANTLING IT

Title (de)
DRUCKROHRSTRANG ZUM KONTINUIERLICHEN SCHMELZBOHREN FÜR TIEFBOHRUNGEN SOWIE VERFAHREN UND VORRICHTUNG ZU DESSEN HERSTELLEN, VORTREIBEN UND ABBRECHEN

Title (fr)
COLONNE DE TUBES DE PRESSION POUR FORAGE THERMIQUE EN CONTINU DE PUITS PROFONDS, PROCEDE ET DISPOSITIF POUR SA FABRICATION, SON VIDAGE ET SON DEMONTAGE

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Application
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Abstract (en)
[origin: WO9013729A1] The supply lines (10, 11, 16), measurement lines and control lines for the drilling equipment are lodged inside the high-pressure pipe string (48) for continuous fusion drilling of deep wells. The pipe string includes at least two shell-shaped components (4) each of which forms one longitudinal segment (4) of a pipe, and means for assembling an externally smooth, sealed pipe resistant to tensile and compressive forces. In the process for manufacturing, propelling and subsequently dismantling a high-pressure pipe string for continuous fusion drilling of deep wells, the supply (10, 11, 16), measurement and control lines are fed continuously along the depth to be drilled. To this end, during the drilling propulsion, several components (1, 4) are assembled in sections around the supply (10, 11, 12), measurement and control lines to form a sealed high-pressure pipe string (48) resistant to tensile and compressive forces which is then continuously propelled. The device for implementing this process comprises a supply carousel (60) for each supply line (10, 11, 16), from which the supply line (10, 11, 16) is wound off. The supply carousel (60) has a circular, rotatably mounted, motorized platform (62) for holding the coils. In addition, the device comprises a multistorey installation tower (40) in the storeys (41 - 44) of which means (50, 51; 46, 47) for sectionwise assembly, continuous propulsion and subsequent dismantling of the high-pressure pipe string (48) are distributed.

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