

Title (en)

CIRCULATING SUB WITH ACTIVATION MECHANISM AND A METHOD THEREOF

Title (de)

SPÜLUNGSANSATZSTÜCK MIT AKTIVIERUNGSMECHANISMUS UND VERFAHREN DAFÜR

Title (fr)

RACCORD DE CIRCULATION AVEC MÉCANISME D'ACTIVATION ET PROCÉDÉ ASSOCIÉ

Publication

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Application

EP 15860564 A 20151120

Priority

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- DK 2015050356 W 20151120

Abstract (en)

[origin: WO2016078671A1] The present invention relates to an activation method, an activation mechanism and a downhole tool comprising the activation mechanism. The activation mechanism comprises a pressure switch for turning power to the electrical components, a control unit connected to a pressure sensor for sensing the internal pressure of the drilling fluid located in a first fluid conduit. The control unit controls an actuator unit connected to a moveable valve element. The actuator unit moves the valve element from a closed position when activated. A seat for the valve element is arranged relative to a second fluid conduit so that the valve element closes the second conduit when it is placed in its seat. This provides a very fast and accurate activation method that involves the use of balls or RFID tags. Furthermore, the downhole tool can be activated even if no actual flow is passing through the tool.

IPC 8 full level

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