

Title (en)

APPARATUS AND METHOD TO REMOTELY CONTROL FLUID FLOW IN TUBULAR STRINGS AND WELLBORE ANNULUS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR FERNSTEUERUNG DES FLÜSSIGKEITSFLUSSES IN ROHRSTRÄNGEN UND BOHRLOCHRINGEN

Title (fr)

APPAREIL ET PROCÉDÉ POUR COMMANDER À DISTANCE L'ÉCOULEMENT DE FLUIDE DANS DES COLONNES TUBULAIRES ET UN ESPACE ANNULAIRE DE PUITS DE FORAGE

Publication

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Application

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- US 201261710823 P 20121008
- US 201261710887 P 20121008
- EP 21166706 A 20130411
- EP 13775108 A 20130411
- US 2013036238 W 20130411

Abstract (en)

An apparatus is disclosed for remotely controlling fluid flow in tubular string (110) and wellbore annulus (156), wherein the apparatus includes a body (200) defining the boundaries between an inner flow passage (152) through the apparatus and an annular flow passage (154) within the wellbore annulus (156), and wherein the body (200) comprises a controllable valve (220) disposed in the inner flow passage (152), the controllable valve (220) comprising at least one moveable element, and where the element is movable to a plurality of predetermined positions, positioned and arranged to alter fluid flow between the first end, the second end, and the at least one lateral hole (210), and where a predetermined position of movable element determines a desired altered fluid flow state of controllable valve (220).

IPC 8 full level

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- US 163161 A 18750511

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