

Title (en)

REACTIVE CHOKE FOR AUTOMATIC WELLBORE FLUID MANAGEMENT AND METHODS OF USING SAME

Title (de)

REAKTIVE DROSSEL ZUR AUTOMATISCHEN BOHRLOCHFLÜSSIGKEITSVERWALTUNG UND VERWENDUNGSVERFAHREN DAFÜR

Title (fr)

ÉTRANGLEUR RÉACTIF POUR GESTION AUTOMATIQUE DE FLUIDE DE Puits DE FORAGE ET PROCÉDÉS UTILISANT CELUI-CI

Publication

**EP 2780534 A1 20140924 (EN)**

Application

**EP 12849984 A 20121019**

Priority

- US 201113298530 A 20111117
- US 2012061103 W 20121019

Abstract (en)

[origin: US2013126184A1] Fluid actuated chokes comprise an expandable material that expands due to an undesired fluid coming in contact with the choke. The choke includes one or more passageways through which desired fluids from a well flow unimpeded. The choke is disposed in a downhole tool as part of a downhole completion. When one or more undesired fluids enters a production stream flowing through the downhole completion and, thus, the downhole tool, and contacts the choke, the expandable material expands causing fluid flow through the passageway(s) to be restricted and, in some cases, completely closed off. Thus, the choke automatically detects and reacts, i.e., restricts fluid flow through the choke, when contacted by the undesired fluid(s).

IPC 8 full level

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CPC (source: EP US)

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