

Title (en)
APPARATUS, SYSTEMS AND METHODS FOR ISOLATION DURING MULTISTAGE HYDRAULIC FRACTURING WITH FLOW CONTROL MEMBER HAVING IMPEDANCE FEATURE

Title (de)
VORRICHTUNG, SYSTEME UND VERFAHREN ZUR ISOLIERUNG WÄHREND DES MEHRSTUFIGEN HYDRAULISCHEN FRACKENS MIT DURCHFLUSSREGELUNGSELEMENT MIT IMPEDANZMERKMAL

Title (fr)
APPAREIL, SYSTÈMES ET PROCÉDÉS D'ISOLATION PENDANT UNE FRACTURATION HYDRAULIQUE À PLUSIEURS ÉTAPES AVEC UN ÉLÉMENT DE RÉGULATION DE DÉBIT AYANT UNE CARACTÉRISTIQUE D'IMPÉDANCE

Publication
EP 3548698 A4 20200722 (EN)

Application
EP 17875262 A 20171201

Priority
• US 201662429502 P 20161202
• CA 2017051453 W 20171201

Abstract (en)
[origin: WO2018098592A1] An apparatus for deployment in a wellbore to control flow of fluids between the wellbore and a subterranean reservoir is provided, comprising: a housing; a port extending through the housing; a passage disposed within the housing; and a flow control member, releasably retained relative to the housing and disposed relative to the port such that the port is disposed in a closed condition, and including a frangible portion. The flow control member, the housing, and the port are co-operatively configured such that, in response to application of a sufficient force for urging displacement of the flow control member in a first direction: the flow control member becomes released from the retention relative to the housing; after the release of the flow control member from the retention relative to the housing, the flow control member is displaced, relative to the port, in the first direction; and while the flow control member is being displaced, relative to the port, in the first direction, the displacement of the flow control member is impeded by an interaction between the flow control member and the housing.

IPC 8 full level
E21B 43/12 (2006.01); **E21B 34/14** (2006.01); **E21B 43/26** (2006.01)

CPC (source: EP US)
E21B 34/063 (2013.01 - EP US); **E21B 43/12** (2013.01 - EP US); **E21B 43/26** (2013.01 - EP US); **E21B 33/124** (2013.01 - US); **E21B 34/108** (2013.01 - US); **E21B 2200/06** (2020.05 - US)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 2018098592A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2018098592 A1 20180607; EP 3548698 A1 20191009; EP 3548698 A4 20200722; US 2020063538 A1 20200227

DOCDB simple family (application)
CA 2017051453 W 20171201; EP 17875262 A 20171201; US 201716466191 A 20171202