

Title (en)
Hydraulic Disconnect

Title (de)
Hydraulische Abschaltung

Title (fr)
Sectionneur hydraulique

Publication
EP 2772608 A1 20140903 (EN)

Application
EP 13189423 A 20131018

Priority
• US 201261716268 P 20121019
• US 201314052805 A 20131014

Abstract (en)
A disconnect apparatus (100) includes a lower housing (102), an upper housing (104) having a collet mechanism (106) configured to couple the upper housing to the lower housing, a retainer sleeve (124) disposed within the upper housing and/or the lower housing, the retainer sleeve (126) configured to move longitudinally within the lower housing and/or the upper housing between a first position and a second position in response to a pressure differential applied across the retainer sleeve; wherein in the first position at least a portion of the retainer sleeve is disposed radially inward of the collet mechanism (106) and in the second position the retainer sleeve (124) is disposed axially above or below the collet mechanism (106), and a biasing mechanism (126) coupled to an end of the retainer sleeve (124). A method of disconnecting a tool from a tubular string includes applying a differential pressure across a sleeve (124) and disengaging a collet mechanism (106) with a housing.

IPC 8 full level
E21B 17/06 (2006.01); **E21B 23/04** (2006.01)

CPC (source: EP US)
E21B 17/06 (2013.01 - EP US); **E21B 23/04** (2013.01 - EP US)

Citation (search report)
• [XA] US 2009280912 A1 20091112 - BUCHANAN ALASTAIR [NO], et al
• [XI] EP 0209338 A2 19870121 - HALLIBURTON CO [US]
• [I] US 5526888 A 19960618 - GAZEWOOD MICHAEL J [US]
• [I] US 6439305 B1 20020827 - BAKKE STIG [NO]
• [I] US 6053262 A 20000425 - FERGUSON ANDY [US], et al

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US9683416B2; WO2014193570A3

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)
US 2014110129 A1 20140424; EP 2772608 A1 20140903

DOCDB simple family (application)
US 201314052805 A 20131014; EP 13189423 A 20131018