

Title (en)

APPARATUS AND METHODS FOR WEDGE LOCK PREVENTION

Title (de)

VORRICHTUNG UND VERFAHREN ZUR VERHINDERUNG VON KEILVERRIEGELUNG

Title (fr)

APPAREIL ET PROCÉDÉS DE PRÉVENTION DE VERROUILLAGE À CALE

Publication

EP 2304165 B1 20150311 (EN)

Application

EP 09740019 A 20090504

Priority

- US 2009042745 W 20090504
- US 12630108 P 20080502
- US 12622308 P 20080502
- US 5012108 P 20080502

Abstract (en)

[origin: WO2009135217A2] In one embodiment, a tubular handling apparatus is provided with a wedge lock release mechanism that creates a clearance to allow movement by the mandrel having mating wedge surfaces relative to the tubular to release the wedge slips. In another embodiment, a tubular handling apparatus for handling a tubular includes a mandrel; a carrier coupled to the mandrel; a gripping element for engaging the tubular; an engagement member coupled to the carrier for engaging an upper portion of the tubular; and an abutment device adapted to engage the engagement member, wherein a length of the abutment device is adjustable to allow movement of the engagement member.

IPC 8 full level

E21B 19/16 (2006.01); **E21B 23/00** (2006.01)

CPC (source: EP US)

E21B 19/16 (2013.01 - EP US); **E21B 23/00** (2013.01 - EP US)

Designated contracting state (EPC)

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 SE SI SK TR

DOCDB simple family (publication)

WO 2009135217 A2 20091105; WO 2009135217 A3 20110922; AU 2009242489 A1 20091105; AU 2009242489 B2 20151126; AU 2016201245 A1 20160317; AU 2016201245 B2 20171130; CA 2722543 A1 20091105; CA 2722543 C 20141104; EP 2304165 A2 20110406; EP 2304165 B1 20150311; US 2009274544 A1 20091105

DOCDB simple family (application)

US 2009042745 W 20090504; AU 2009242489 A 20090504; AU 2016201245 A 20160226; CA 2722543 A 20090504; EP 09740019 A 20090504; US 43525309 A 20090504