

Title (en)

Apparatus for gripping a tubular on a drilling rig

Title (de)

Vorrichtung zum Greifen eines Rohres an einem Bohrgestell

Title (fr)

Appareil pour la préhension d'un tuyau sur un appareil de forage

Publication

EP 2284355 A2 20110216 (EN)

Application

EP 10188272 A 20061212

Priority

- EP 10156425 A 20061212
- EP 06848570 A 20061212
- US 74945105 P 20051212

Abstract (en)

Methods and apparatus for running tubulars into and out of a wellbore. A gripping apparatus is activated with an actuator having a primary actuator and a redundant safety feature. The redundant safety feature may include one or more redundant fluid operated pistons. The gripping apparatus may include an integrated safety system adapted to prevent damage to the tubulars while making and breaking out connections between the tubulars and the tubular string.

IPC 8 full level

E21B 19/16 (2006.01); **E21B 33/16** (2006.01)

CPC (source: EP US)

E21B 19/165 (2013.01 - EP); **E21B 33/05** (2013.01 - EP US); **E21B 33/165** (2020.05 - EP US)

Citation (applicant)

- US 2005257933 A1 20051124 - PIETRAS BERND-GEORG [DE]
- US 6742596 B2 20040601 - HAUGEN DAVID M [US]
- US 2005096846 A1 20050505 - KOITHAN THOMAS [US], et al
- US 2004173358 A1 20040909 - HAUGEN DAVID M [US]
- US 2004144547 A1 20040729 - KOITHAN THOMAS [US], et al
- US 5787979 A 19980804 - GIROUX RICHARD L [US], et al
- US 5813457 A 19980929 - GIROUX RICHARD L [US], et al
- US 5390736 A 19950221 - BUDDE PETER [FR]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007070805 A2 20070621; WO 2007070805 A3 20080207; AT E464455 T1 20100415; AU 2006325824 A1 20070621; AU 2006325824 B2 20100520; AU 2010202601 A1 20100715; AU 2010202601 B2 20130207; AU 2013205714 A1 20130523; AU 2016273903 A1 20170112; BR PI0619754 A2 20111018; BR PI0619754 B1 20171205; BR PI0619754 B8 20180612; CA 2633182 A1 20070621; CA 2633182 C 20120424; CA 2768010 A1 20070621; CA 2768010 C 20160920; CA 2937095 A1 20070621; CA 2937095 C 20190226; CN 101365860 A 20090211; CN 101365860 B 20121128; CN 102937007 A 20130220; CN 102943637 A 20130227; CN 102943637 B 20150204; DE 602006013702 D1 20100527; DK 2284357 T3 20200824; EA 015156 B1 20110630; EA 022508 B1 20160129; EA 200870051 A1 20081030; EA 201100260 A1 20111031; EA 201500372 A1 20160129; EP 1963612 A2 20080903; EP 1963612 B1 20100414; EP 2189618 A2 20100526; EP 2189618 A3 20140507; EP 2284355 A2 20110216; EP 2284355 A3 20140507; EP 2284356 A2 20110216; EP 2284356 A3 20140507; EP 2284357 A2 20110216; EP 2284357 A3 20140507; EP 2284357 B1 20200520; EP 2322755 A2 20110518; EP 2322755 A3 20140507; EP 2322756 A2 20110518; EP 2322756 A3 20140507; NO 20082811 L 20080826; NO 20110680 L 20080826; NO 20110681 L 20080826; NO 20110682 L 20080826; NO 20121262 L 20080826; NO 333092 B1 20130304; NO 342755 B1 20180806; NO 342756 B1 20180806

DOCDB simple family (application)

US 2006061945 W 20061212; AT 06848570 T 20061212; AU 2006325824 A 20061212; AU 2010202601 A 20100622; AU 2013205714 A 20130506; AU 2016273903 A 20161214; BR PI0619754 A 20061212; CA 2633182 A 20061212; CA 2768010 A 20061212; CA 2937095 A 20061212; CN 200680052591 A 20061212; CN 201210400817 A 20061212; CN 201210401478 A 20061212; DE 602006013702 T 20061212; DK 10188277 T 20061212; EA 200870051 A 20061212; EA 201100260 A 20061212; EA 201500372 A 20061212; EP 06848570 A 20061212; EP 10156425 A 20061212; EP 10188272 A 20061212; EP 10188275 A 20061212; EP 10188277 A 20061212; EP 11157091 A 20061212; EP 11157094 A 20061212; NO 20082811 A 20080623; NO 20110680 A 20110509; NO 20110681 A 20110509; NO 20110682 A 20110509; NO 20121262 A 20121029