

Title (en)

Spherical-annular blowout preventer having a plurality of pistons

Title (de)

Kugelförmiger-/ringförmiger Blowout-Preventer mit mehreren Kolben

Title (fr)

Dispositif de prévention de l'évacuation annulaire sphérique ayant une pluralité de pistons

Publication

EP 2876249 B1 20170719 (EN)

Application

EP 14191759 A 20141104

Priority

- US 201314087091 A 20131122
- US 201414506267 A 20141003

Abstract (en)

[origin: EP2876249A1] A blowout preventer includes a housing (5, 10) including interconnected cylinders (160) formed therein, a main seal (25) positioned within the housing (5), cylindrical sleeves (250) removably placed within the interconnected cylinders (160), annular pistons (40) and glands (45) placed within the sleeves (250); and an energizing ring (215) configured to be operated on by the annular pistons (40) in order to operate the main seal (25). A blowout preventer may also include an upper gland assembly (245) for isolating a void space (230) within the housing (10) from the interconnected cylinders (160).

IPC 8 full level

E21B 33/06 (2006.01); **E21B 33/00** (2006.01); **E21B 34/02** (2006.01)

CPC (source: CN EP KR US)

E21B 33/06 (2013.01 - CN EP KR US); **E21B 33/064** (2013.01 - CN KR)

Cited by

WO2021108399A1

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

DOCDB simple family (publication)

EP 2876249 A1 20150527; **EP 2876249 B1 20170719**; CN 104653141 A 20150527; HK 1210820 A1 20160506; IN 3195DE2014 A 20150710; KR 20150059598 A 20150601; SG 10201407191R A 20150629; US 2015144356 A1 20150528

DOCDB simple family (application)

EP 14191759 A 20141104; CN 201410680052 A 20141124; HK 15111659 A 20151126; IN 3195DE2014 A 20141105; KR 20140150896 A 20141103; SG 10201407191R A 20141104; US 201414506267 A 20141003