

Title (en)

Blowout preventer with blade including multiple profiles

Title (de)

Blowout-Preventer mit Klinge mit mehreren Profilen

Title (fr)

Dispositif de prévention d'évacuation avec lame comprenant de multiples profils

Publication

**EP 2995768 A1 20160316 (EN)**

Application

**EP 14306403 A 20140912**

Priority

EP 14306403 A 20140912

Abstract (en)

A blowout preventer may be used for shearing a tubular positioned in a bore extending through the blowout preventer. The blowout preventer includes a first shear ram movable towards the tubular, the first shear ram including a first blade, and the first blade including an outer cutting profile and an inner cutting profile. The blowout preventer further includes a second shear ram positioned opposite the first shear ram with respect to the tubular and movable towards the tubular, the second shear ram including a second blade, and the second blade including the outer cutting profile and the inner cutting profile. The outer cutting profile includes blade portions on opposite sides of the inner cutting profile, and positioned between an angle of about 120 degrees and an angle of about 140 degrees from each other.

IPC 8 full level

**E21B 33/06** (2006.01)

CPC (source: EP US)

**E21B 33/063** (2013.01 - EP US)

Citation (search report)

- [X] EP 2484860 A2 20120808 - HYDRIL USA MFG LLC [US]
- [I] US 2011226477 A1 20110922 - SPRINGETT FRANK BENJAMIN [US], et al
- [A] US 2012073815 A1 20120329 - SPRINGETT FRANK BENJAMIN [US], et al
- [A] US 4923005 A 19900508 - LAKY TIBOR [US], et al

Cited by

US10677010B2

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)

**EP 2995768 A1 20160316; EP 2995768 B1 20200122**; US 2016258238 A1 20160908; WO 2016039823 A1 20160317

DOCDB simple family (application)

**EP 14306403 A 20140912**; US 2015030132 W 20150511; US 201514443536 A 20150511