

Title (en)

FLOW THROUGH GAUGE FOR DRILL BIT

Title (de)

DURCHFLUSSMESSVORRICHTUNG FÜR BOHRMEISSEL

Title (fr)

DISPOSITIF DE MESURE À ÉCOULEMENT TRAVERSANT POUR TRÉPAN DE FORAGE

Publication

EP 2904183 A4 20160622 (EN)

Application

EP 13843704 A 20130924

Priority

- US 201261709063 P 20121002
- US 2013061341 W 20130924

Abstract (en)

[origin: US2014090899A1] An apparatus that includes one or more flow channels and method for fabricating such flow channels. The apparatus includes a body, one or more blades from one end of the body, and a corresponding gauge section disposed adjacently and in alignment with a respective blade. Each gauge section includes a leading section, a trailing section, a face section extending from one end of the leading section to an end of the trailing section, and at least one flow channel extending from the leading edge section to at least one of the trailing edge section or the face section.

IPC 8 full level

E21B 10/60 (2006.01); **E21B 10/61** (2006.01)

CPC (source: EP US)

E21B 10/54 (2013.01 - US); **E21B 10/602** (2013.01 - EP US)

Citation (search report)

- [X] EP 0872625 A2 19981021 - CAMCO INT UK LTD [GB]
- [X] EP 0872624 A2 19981021 - CAMCO INT UK LTD [GB]
- [X] GB 2047308 A 19801126 - CHRISTENSEN INC
- [X] GB 2319547 A 19980527 - TOTAL SA [FR], et al
- [X] EP 0707132 A2 19960417 - CAMCO DRILLING GROUP LTD [GB]
- [X] EP 0974730 A2 20000126 - CAMCO INT UK LTD [GB]
- [A] WO 2009073656 A1 20090611 - HALLIBURTON ENERGY SERV INC [US], et al
- See references of WO 2014055287A1

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)

US 2014090899 A1 20140403; CA 2886563 A1 20140410; EP 2904183 A1 20150812; EP 2904183 A4 20160622; RU 2013144071 A 20150410; US 2016201400 A1 20160714; WO 2014055287 A1 20140410

DOCDB simple family (application)

US 201314034634 A 20130924; CA 2886563 A 20130924; EP 13843704 A 20130924; RU 2013144071 A 20131001; US 2013061341 W 20130924; US 201615077960 A 20160323