

Title (en)  
Frac plug mill bit

Title (de)  
Frac-Plug-Fräsboreinsatz

Title (fr)  
Tête de fraisage de fracturation

Publication  
**EP 2910727 A1 20150826 (EN)**

Application  
**EP 15151298 A 20150115**

Priority  
US 201414185727 A 20140220

Abstract (en)  
A fixed cutter bit for milling a frac plug includes a body and a face. The face includes a base surface and a plurality of cutter support structures extending from the base surface. Each cutter support structure has a peripheral portion and an inner portion disposed radially internal of the peripheral portion. At least one first-type cutter is supported by each peripheral portion; at least one second-type cutter is supported by each inner portion. The first type cutter is adapted to mill a harder material than the second-type cutter, and the first-type is different from the second-type.

IPC 8 full level  
**E21B 10/43** (2006.01); **E21B 29/08** (2006.01)

CPC (source: EP US)  
**E21B 10/567** (2013.01 - EP US); **E21B 29/00** (2013.01 - US); **E21B 29/08** (2013.01 - EP US)

Citation (applicant)  
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Citation (search report)  
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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 2910727 A1 20150826**; CA 2875881 A1 20150820; RU 2015105046 A 20160910; US 2015233187 A1 20150820

DOCDB simple family (application)  
**EP 15151298 A 20150115**; CA 2875881 A 20141223; RU 2015105046 A 20150216; US 201414185727 A 20140220