

Title (en)
SHEAR CLAW BIT

Title (de)
SCHERKLAUENBOHRMEISSEL

Title (fr)
TRÉPAN À GRIFFES À CISAILLEMENT

Publication
EP 3052737 A4 20170614 (EN)

Application
EP 14851198 A 20141002

Priority
• US 201361885772 P 20131002
• US 2014058879 W 20141002

Abstract (en)
[origin: US2015090502A1] A shear claw drill bit includes a bit body and a plurality of pick receptacles fixedly attached to the bit body. Each pick receptacle has a pick cavity. The shear claw drill bit further includes a plurality of picks. Each pick has a cutter cavity. The shear claw drill bit also includes a plurality of polycrystalline diamond compact (PDC) cutters. Each PDC cutter is disposed in the cutter cavity of a respective pick of the plurality of picks. A portion of each PDC cutter protrudes out of the cutter cavity of the respective pick.

IPC 8 full level
E21B 10/46 (2006.01); **E21B 10/43** (2006.01); **E21B 10/55** (2006.01); **E21B 10/573** (2006.01)

CPC (source: EP US)
E21B 10/55 (2013.01 - EP US); **E21B 10/573** (2013.01 - EP US); **E21B 10/633** (2013.01 - EP US)

Citation (search report)
• [XYI] US 2012267173 A1 20121025 - JONES MARK L [US], et al
• [Y] US 5906245 A 19990525 - TIBBITTS GORDON A [US], et al
• See also references of WO 2015051158A1

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 2015090502 A1 20150402; EP 3052737 A1 20160810; EP 3052737 A4 20170614; WO 2015051158 A1 20150409

DOCDB simple family (application)
US 201414505284 A 20141002; EP 14851198 A 20141002; US 2014058879 W 20141002