

Title (en)
TOE CASING

Title (de)
ZEHENVERKLEIDUNG

Title (fr)
TUBAGE D'EXTRÉMITÉ

Publication
EP 3577302 A4 20201104 (EN)

Application
EP 18748361 A 20180205

Priority
• US 201762455216 P 20170206
• US 201815884996 A 20180131
• US 2018016900 W 20180205

Abstract (en)
[origin: US2018223607A1] A toe casing is made of a material different from conventional casing, and may be deployed in an open-hole section of a well that is not economically accessible by conventional casing. The toe casing may be made of a material that more easily conforms to the well bore, such as aluminum alloy, titanium alloy, or a composite material. The toe casing may be secured to and deployed at the end of a conventional casing string for the purpose of assisting the casing in reaching a desired depth, allowing for improved hydrocarbon production.

IPC 8 full level
E21B 17/00 (2006.01); **E21B 17/08** (2006.01); **E21B 17/14** (2006.01)

CPC (source: EP US)
E21B 17/08 (2013.01 - EP US); **E21B 17/14** (2013.01 - EP US)

Citation (search report)
• [X] US 2014110098 A1 20140424 - MITCHELL SARAH [US], et al
• [X] US 5163512 A 19921117 - BREWER JAMES R [US], et al
• [X] US 5937955 A 19990817 - NIMS DAVID G [US], et al
• [X] US 3266577 A 19660816 - TURNER RALPH R
• See references of WO 2018145027A1

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 2018223607 A1 20180809; AU 2018215552 A1 20190822; BR 112019016032 A2 20200331; CA 3052316 A1 20180809;
EP 3577302 A1 20191211; EP 3577302 A4 20201104; SG 11201907151P A 20190927; WO 2018145027 A1 20180809

DOCDB simple family (application)
US 201815884996 A 20180131; AU 2018215552 A 20180205; BR 112019016032 A 20180205; CA 3052316 A 20180205;
EP 18748361 A 20180205; SG 11201907151P A 20180205; US 2018016900 W 20180205