

Title (en)
TOP SET PLUG AND METHOD

Title (de)
VERSCHLUSSSTOPFEN UND VERFAHREN

Title (fr)
BOUCHON D'ENSEMBLE SUPÉRIEUR ET PROCÉDÉ

Publication
EP 3927932 A4 20221102 (EN)

Application
EP 20758748 A 20200213

Priority
• US 201962808574 P 20190221
• US 201962941075 P 20191127
• US 2020018031 W 20200213

Abstract (en)
[origin: WO2020172032A1] A top set plug (410) for sealing against a casing (102) of a well. The plug (410) includes a mandrel (412) having a throughout bore (413) that extends from a top end (412A) to a bottom end (412B); a connecting mechanism (414) located at the top end (412A) of the mandrel (412); a sealing element (424) located around the mandrel (412) and configured to be pushed toward an internal wall of the casing (102); an upper wedge (422) configured to push the sealing element (424) against the casing (102); and a slip ring (426) configured to push the sealing element (424) over the upper wedge (422) and also to engage the inner wall of the casing with buttons (428) for preventing the plug to slide along the casing.

IPC 8 full level
E21B 33/128 (2006.01); **E21B 33/12** (2006.01); **E21B 33/129** (2006.01); **E21B 34/06** (2006.01); **E21B 34/14** (2006.01)

CPC (source: EP US)
E21B 23/0413 (2020.05 - US); **E21B 33/1291** (2013.01 - EP); **E21B 33/13** (2013.01 - US); **E21B 34/142** (2020.05 - EP);
E21B 2200/08 (2020.05 - US)

Citation (search report)
• [X] WO 2019023493 A1 20190131 - PEAK COMPLETION TECH INC [US]
• [A] US 2016305215 A1 20161020 - HARRIS MICHAEL J [US], et al
• [A] US 2018016864 A1 20180118 - PAREKH YASH [US], et al
• [A] WO 2019023413 A1 20190131 - SCHLUMBERGER TECHNOLOGY CORP [US], et al
• See references of WO 2020172032A1

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)
WO 2020172032 A1 20200827; CA 3129915 A1 20200827; CN 113454311 A 20210928; EP 3927932 A1 20211229; EP 3927932 A4 20221102;
US 2021254428 A1 20210819

DOCDB simple family (application)
US 2020018031 W 20200213; CA 3129915 A 20200213; CN 202080015437 A 20200213; EP 20758748 A 20200213;
US 202017049352 A 20200213