

Title (en)
ANNULAR BARRIER

Title (de)
RINGFÖRMIGE BARRIERE

Title (fr)
BARRIÈRE ANNULAIRE

Publication
EP 4112874 A1 20230104 (EN)

Application
EP 21182651 A 20210630

Priority
EP 21182651 A 20210630

Abstract (en)
The present invention relates to an annular barrier for providing zonal isolation in an annulus downhole between a well tubular metal structure and another well tubular metal structure or a wall of a borehole, comprising a tubular metal part configured to be mounted as part of a well tubular metal structure, the tubular metal part having an outer face, an opening and an axial extension along the well tubular metal structure, an expandable metal sleeve surrounding the tubular metal part, the first expandable metal sleeve having a circumferential groove, a first end and a second end, each end of the expandable metal sleeve being connected with the outer face of the tubular metal part, wherein the annular barrier further comprises an anchoring element arranged in the circumferential groove, the anchoring element comprising a first anchoring part at least partly overlapping a second anchoring part in a radially direction perpendicular to the axial extension so that an inner face of the first anchoring part at least partly abuts an outer face of the second anchoring part. Moreover, the present invention also relates to a downhole completion system.

IPC 8 full level
E21B 33/129 (2006.01); **E21B 33/124** (2006.01); **E21B 33/127** (2006.01)

CPC (source: EP)
E21B 33/1243 (2013.01); **E21B 33/1246** (2013.01); **E21B 33/1277** (2013.01); **E21B 33/1291** (2013.01)

Citation (search report)
• [Y] WO 2018029456 A1 20180215 - MORHPACKERS LTD [GB]
• [Y] US 4942925 A 19900724 - THEMIG DANIEL J [US]
• [A] EP 2586963 A1 20130501 - WELLTEC AS [DK]
• [A] US 2020165892 A1 20200528 - VASQUES RICARDO REVES [CH], et al
• [A] US 2019383114 A1 20191219 - VASQUES RICARDO REVES [CH]
• [A] US 10125567 B2 20181113 - MARTIN DAVID GLEN [GB], et al

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4112874 A1 20230104

DOCDB simple family (application)
EP 21182651 A 20210630