

Title (en)
LINER DRILLING USING TEMPORARILY SEALED LINER

Title (de)
FUTTERBOHRUNG MIT EINEM VORÜBERGEHEND VERSIEGELTEN FUTTER

Title (fr)
FORAGE UTILISANT UNE COLONNE PERDUE TEMPORAIREMENT ÉTANCHE

Publication
EP 2791459 A4 20160420 (EN)

Application
EP 12857163 A 20121214

Priority
• US 201161570508 P 20111214
• US 2012069815 W 20121214

Abstract (en)
[origin: WO2013090760A1] A drilling apparatus including a first cylindrical layer including a plurality of cylindrical members, and a second cylindrical layer including a plurality of elongate members, the plurality of cylindrical members and the plurality of elongate members arranged to form a plurality of spaces between an outer diameter of the first cylindrical layer and an inner diameter of the second cylindrical layer.

IPC 8 full level
E21B 7/20 (2006.01); **E21B 43/08** (2006.01)

CPC (source: EP US)
E21B 7/20 (2013.01 - EP US); **E21B 17/00** (2013.01 - US); **E21B 43/086** (2013.01 - EP US); **E21B 43/088** (2013.01 - EP US)

Citation (search report)
• [XYI] US 5320178 A 19940614 - CORNETTE H MITCHELL [US]
• [Y] US 4914514 A 19900403 - SMITH JEFFREY P [US], et al
• [X] US 2004168799 A1 20040902 - SIMONDS FLOYD RANDOLPH [US], et al
• [X] US 5662170 A 19970902 - DONOVAN JOSEPH F [US], et al
• [A] US 5287923 A 19940222 - CORNETTE H MITCHELL [US], et al
• See references of WO 2013090760A1

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

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WO 2013090760 A1 20130620; CA 2858242 A1 20130620; EP 2791459 A1 20141022; EP 2791459 A4 20160420; US 2013192845 A1 20130801

DOCDB simple family (application)
US 2012069815 W 20121214; CA 2858242 A 20121214; EP 12857163 A 20121214; US 201213715343 A 20121214