

Title (en)
Drill pipe

Title (de)
Bohrgestänge

Title (fr)
Tige de forage

Publication
EP 2436874 A1 20120404 (EN)

Application
EP 10183095 A 20100930

Priority
EP 10183095 A 20100930

Abstract (en)
The present invention relates to an expansion device to be inserted in a casing or well tubular structure for expanding an annular barrier downhole. The annular barrier comprises a tubular structure for mounting as part of the well tubular structure, an expandable sleeve surrounding the tubular structure, and a connection part connecting the expandable sleeve with the tubular structure. The tubular structure has an opening and two projecting elements decreasing an inner diameter of the tubular structure. The expansion device comprises a tubular part extending between a first and a second end part, the tubular part comprising at least one opening arranged between the first and the second end; an inner face surrounding an inner space; and an outer face. Furthermore, the expansion device comprises at least a first and second sealing element sealingly connected to the outer face at the first and second end parts of the tubular part.

IPC 8 full level
E21B 43/10 (2006.01)

CPC (source: EP US)
E21B 23/06 (2013.01 - US); **E21B 33/1208** (2013.01 - EP US); **E21B 33/127** (2013.01 - EP US); **E21B 33/128** (2013.01 - EP US); **E21B 33/1285** (2013.01 - EP US); **E21B 43/103** (2013.01 - EP US)

Citation (search report)
• [A] EP 2206879 A1 20100714 - WELLTEC AS [DK]
• [A] US 2007256841 A1 20071108 - GALLOWAY GREGORY G [US]
• [A] US 2007029082 A1 20070208 - GIROUX RICHARD L [US], et al
• [A] US 2005161232 A1 20050728 - PATEL DINESH R [US], et al
• [A] US 2005098324 A1 20050512 - GANO JOHN C [US]
• [A] US 6640893 B1 20031104 - RUMMEL FRITZ [DE], et al
• [A] US 6530574 B1 20030311 - BAILEY GARY L [US], et al

Cited by
US9765605B2; US9000296B2; WO2015061655A3

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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
EP 2436874 A1 20120404; EP 2436874 B1 20130731; AU 2011310500 A1 20130502; AU 2011310500 B2 20150903; BR 112013007387 A2 20160712; CA 2812897 A1 20120405; CN 103140648 A 20130605; CN 103140648 B 20170208; DK 2436874 T3 20131007; MX 2013003301 A 20130429; MY 166748 A 20180720; RU 2013118670 A 20141110; RU 2583389 C2 20160510; US 2013180736 A1 20130718; WO 2012041955 A2 20120405; WO 2012041955 A3 20120607

DOCDB simple family (application)
EP 10183095 A 20100930; AU 2011310500 A 20110929; BR 112013007387 A 20110929; CA 2812897 A 20110929; CN 201180047257 A 20110929; DK 10183095 T 20100930; EP 2011066975 W 20110929; MX 2013003301 A 20110929; MY PI2013001039 A 20110929; RU 2013118670 A 20110929; US 201113876037 A 20110929