

Title (en)
HYBRID EXPANSION CONE

Title (de)
HYBRIDER SPREIZKEGEL

Title (fr)
CÔNE D'EXPANSION HYBRIDE

Publication
EP 2882925 A4 20160615 (EN)

Application
EP 13827940 A 20130806

Priority
• US 201261680487 P 20120807
• US 2013053777 W 20130806

Abstract (en)
[origin: US2014041880A1] An expansion cone comprising a cone body having a first expansion surface with a diameter that increases from a leading edge to a first expansion diameter. A resilient sleeve disposed on an actuation mandrel that is coupled to the cone body. Movement of the actuation mandrel relative to the cone body moves an outer surface of the resilient sleeve to a second expansion diameter that is greater than the first expansion diameter.

IPC 8 full level
E21B 19/24 (2006.01); **E21B 23/06** (2006.01); **E21B 33/128** (2006.01)

CPC (source: EP US)
E21B 43/105 (2013.01 - EP US)

Citation (search report)
• [I] US 2005217865 A1 20051006 - RING LEV [US]
• [Y] US 2005161226 A1 20050728 - DUGGAN ANDREW M [GB], et al
• [Y] US 2010319427 A1 20101223 - LOHBECK WILHELMUS CHRISTIANUS MARIA [NL]
• See references of WO 2014025769A1

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)
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US 201313960364 A 20130806; EP 13827940 A 20130806; US 2013053777 W 20130806