Title (en)
Expandable centralizer for expandable pipe string

Title (de)
Zentrierkorb für erweiterbare Bohrlochrohre

Title (fr)
Elément de centrage expansible destiné à une colonne de tubes dilatables

Publication
EP 2578796 A2 20130410 (EN)

Application
EP 13150396 A 20080509

Priority
- US 74954407 A 20070516
- US 82894307 A 20070726
- EP 11189762 A 20080509
- EP 08769366 A 20080509

Abstract (en)
An expandable centralizer (8), comprising: a plurality of ribs, each having a first end (30A) and a second end (30B); a first expandable collar (10A) comprising a plurality of links (16) connected to the plurality of ribs at the first ends, at least some of the links of the first expandable collar being slidably coupled together; and a second expandable collar (10B) comprising a plurality of links (16) connected to the plurality of ribs at the second ends, at least some of the links of the second expandable collar being slidably coupled together, wherein at least the first expandable collar is configured to expand without substantial plastic deformation.

IPC 8 full level
E21B 17/10 (2006.01); **E21B 43/10** (2006.01)

CPC (source: EP)
E21B 17/1028 (2013.01); **E21B 17/1078** (2013.01); **E21B 43/103** (2013.01)

Citation (applicant)
- US 82894307 A 20070726
- US 74954407 A 20070516

Cited by
CN110043199A

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2008144249 A2 20081127; **WO 2008144249 A3 20090115**; **WO 2008144249 A4 20090312**; AT E536462 T1 20111215; BR PI0812118 A2 20141125; CA 2687495 A1 20081127; CA 2687495 C 20170418; EP 2158379 A2 20100303; EP 2158379 B1 20111207; EP 2428637 A2 20120314; EP 2428637 A3 20140730; EP 2578796 A2 20130410; EP 2578796 A3 20140827

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US 2008063163 W 20080509; AT 08769366 T 20080509; BR PI0812118 A 20080509; CA 2687495 A 20080509; EP 08769366 A 20080509; EP 11189762 A 20080509; EP 13150396 A 20080509