

Title (en)
CENTRALISER SEGMENT AND CENTRALISER

Title (de)
ZENTRIERSEGMENT UND ZENTRIERER

Title (fr)
SEGMENT DE CENTRALISATEUR ET CENTRALISATEUR

Publication
EP 2260173 A1 20101215 (EN)

Application
EP 09717714 A 20090305

Priority
• AU 2009000268 W 20090305
• AU 2008901065 A 20080305

Abstract (en)
[origin: WO2009109010A1] A centraliser segment (11) which can, by itself or in combination with one or more corresponding centraliser segments, be used to form a centraliser (13) which can in use be clampingly engaged around an element (10) which is receivable in a borehole, said centraliser segment comprising a first collar portion (15), a second collar portion (17) and at least one bow element (19) extending between said first collar portion and said second collar portion to maintain the collar portions in spaced relation to each other, wherein the collars have an inner face which in use is to bear against the element and wherein said bow element has a curvature along its length to define an intermediate portion which extends laterally from the centraliser segment away from the inner faces of the collars, at least the intermediate portion of the bow elements having a convex transverse profile, a first connection element (21) provided at one end of the collar portions and second connection element (23) provided at the other end of the collar portions, wherein in use said first connection element are engagable with said second connection element of the same or another centraliser segment such that one or more said centraliser segments are connectable together to form a centraliser which in use is capable of being received around the element whereby the intermediate portions are radially outermost, said first and second connection element having an adjustment means which can cause the diameter of the centraliser to be varied.

IPC 8 full level
E21B 17/10 (2006.01)

CPC (source: EP US)
E02D 5/80 (2013.01 - EP US); **E21B 17/1021** (2013.01 - EP US); **E21D 21/0093** (2013.01 - EP US)

Citation (search report)
See references of WO 2009109010A1

Designated contracting state (EPC)
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 TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2009109010 A1 20090911; AU 2009221645 A1 20090911; CN 101970789 A 20110209; EP 2260173 A1 20101215; US 2011079385 A1 20110407

DOCDB simple family (application)
AU 2009000268 W 20090305; AU 2009221645 A 20090305; CN 200980109073 A 20090305; EP 09717714 A 20090305; US 87554710 A 20100903