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61/491,426 31 May 2011 (31.05.2011) US(71) Applicant (for FR only): **SERVICES PETROLIERS SCHLUMBERGER** [FR/FR]; 42 rue Saint Dominique, F-75007 Paris (FR).(71) Applicant (for AL, AM, AU, AZ, BF, BG, BJ, BY, CF, CG, CI, CM, CO, CZ, DE, DK, GA, GN, GQ, GR, GW, HU, ID, IE, IL, IT, KG, KP, KR, KZ, LT, MD, ML, MR, MX, MY, NE, NO, NZ, OM, PL, QA, RO, RU, SI, SK, SN, TD, TG, TH, TJ, TM, TN, TR, TT, UZ, ZA only): **SCHLUMBERGER TECHNOLOGY B.V.** [NL/NL]; Parkstraat 83-89m, NL-2514 JG The Hague (NL).(71) Applicant (for GB, JP, NL only): **SCHLUMBERGER HOLDINGS LIMITED**; P.O. Box 71, Craigmuir Chambers, Tortola, Road Town, 1110 (VG).(71) Applicant (for CA only): **SCHLUMBERGER CANADA LIMITED** [CA/CA]; 525-3rd Avenue Southwest, Calgary, Alberta T2P-0G4 (CA).

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[Continued on next page]

(54) Title: SELF-TIGHTENING CLAMPS TO SECURE TOOLS ALONG THE EXTERIOR DIAMETER OF A TUBING

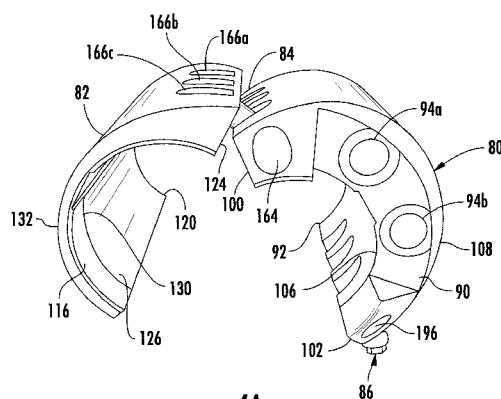


FIG. 4A

(57) Abstract: The present disclosure describes a clamp assembly for connecting at least one downhole tool to a tubing in a well. The clamp assembly is provided with a first clamp part 80, a second clamp part 82, a hinge assembly 84 and a fastener 86. The first clamp part 80 has at least one connection capable of receiving and securing the at least one downhole tool. The first clamp part also has a first inner clamp surface. The second clamp part 82 has a second inner clamp surface extending between the third side and the fourth side. The hinge assembly connects a first side of the first clamp part 80 to a third side of the second clamp part 82 and is configured to permit the first clamp part and the second clamp part to be moved to a closed position and an open position to receive the tubing. The hinge assembly 84 and the fastener 86 are adapted to permit longitudinal movement between 1/32 of an inch and 1/4 of an inch of the first clamp part 80 relative to the second clamp 82 part to form a self-tightening action.

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

E21B F16B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 7 398 697 B2 (ALLEN DONALD W [US] ET AL ALLEN DONALD WAYNE [US] ET AL) 15 July 2008 (2008-07-15) column 1, line 53 - line 55 column 4, line 41 - line 54 column 6, line 63 - column 7, line 33 column 7, line 54 - column 8, line 4 column 10, line 5 - line 27 column 10, line 63 - column 11, line 15 figures 1a-7b	1-21
A	US 2010/326671 A1 (BUYTAERT JEAN [US] ET AL) 30 December 2010 (2010-12-30) paragraphs [0005], [0021], [0078], [0083], [0085] - [0087], [0112]; figures 8,28,29	1-21

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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