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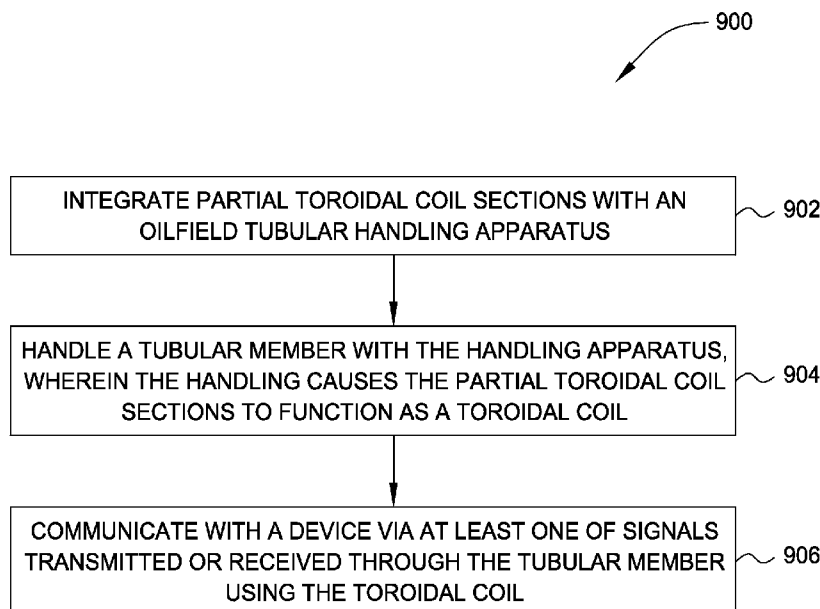
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[Continued on next page]

(54) Title: METHOD OF INCORPORATING REMOTE COMMUNICATION WITH OILFIELD TUBULAR HANDLING APPARATUS



(57) Abstract: Apparatus and corresponding method for remotely communicating with a device in a wellbore, comprising: an oilfield tubular handling apparatus (200); partial toroidal coil sections (304) integrated with the oilfield tubular handling apparatus, wherein the partial toroidal coil sections form a toroidal coil upon handling a tubular member (102) with the handling apparatus; and a microcontroller for communicating with the device via at least one of signals transmitted or received through the tubular member using the toroidal coil.

FIG. 8



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
E21B

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 4 057 781 A (SCHERBATSKOY SERGE A) 8 November 1977 (1977-11-08) figure 2	1-20
A	----- EP 2 273 058 A2 (SCHLUMBERGER SERVICES PETROL [FR]; SCHLUMBERGER HOLDINGS [VG]; SCHLUMB) 12 January 2011 (2011-01-12) paragraph [0033]; claims 7,8; figure 3C paragraph [0028] - paragraph [0029]	1-20
A	----- US 2004/174163 A1 (ROGERS TOMMIE L [US] ET AL) 9 September 2004 (2004-09-09) paragraph [0020]; figures 3-6	1-20
A	----- US 3 063 143 A (BODINE ALBERT G) 13 November 1962 (1962-11-13) column 2, line 19 - line 59; figure 2 ----- -/-	1-20



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See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2004/060708 A1 (CLARK BRIAN [US] ET AL) 1 April 2004 (2004-04-01) figures 3-5,7,9,14 -----	1-20

INTERNATIONAL SEARCH REPORT

Information on patent family members

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