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(54) **Title:** SYSTEMS AND METHODS FOR PLACING MARKERS IN A FORMATION

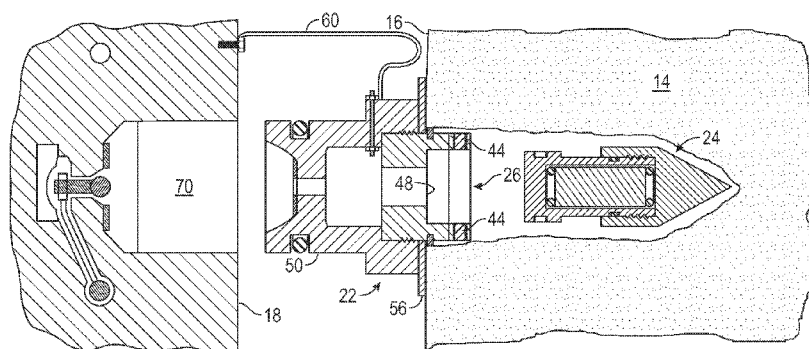


FIG. 5

(57) **Abstract:** A marker placement device, such as a modified coring gun, is used to place one or more markers into the formation. The marker placement device uses explosive charges to fire one or more marker assemblies into a borehole wall. A marker assembly includes a driver assembly which is adapted to be fired from the placement device and a marker which is releasably secured to the driver with frangible shear members.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/042392**A. CLASSIFICATION OF SUBJECT MATTER****E21B 47/09(2006.01)i, E21B 47/00(2006.01)i**

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 47/09; E21B 49/02; E21B 47/00; G01N 23/00; E21B 43/11

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: marker, driver, RF, shear, retrieval cable

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	US 2004-0182147 A1 (RAMBOW, FREDERICK H. K. et al.) 23 September 2004 See paragraphs 0036, 0037, 0040, 0041 and figures 1, 3.	1-7, 9, 11-15, 17, 18 8, 10, 16, 19, 20
Y	US 4609056 A (COLLE, JR., EDWARD A. et al.) 02 September 1986 See column 5, lines 21-49, column 6, lines 5-13, and column 9, line 48 - column 10, line 2.	8, 10, 16, 19, 20
A	US 7204308 B2 (Dudley, James H. et al.) 17 April 2007 See the whole document.	1-20
A	US 2002-0195247 A1 (CIGLENEC, REINHART et al.) 26 December 2002 See the whole document.	1-20

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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Date of the actual completion of the international search

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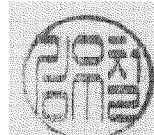
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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