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(54) **Improved packer with integrated sensors**

(57) A packer (300) for use in a borehole, said packer (300) comprising: a base portion having a bore there-through and having threaded ends for connection to a

string of tools used in a borehole; an inflatable portion connected to be pressurized by hydraulic fluid; and a sensor (304,308) connected to detect a condition related to the deployment of said packer.

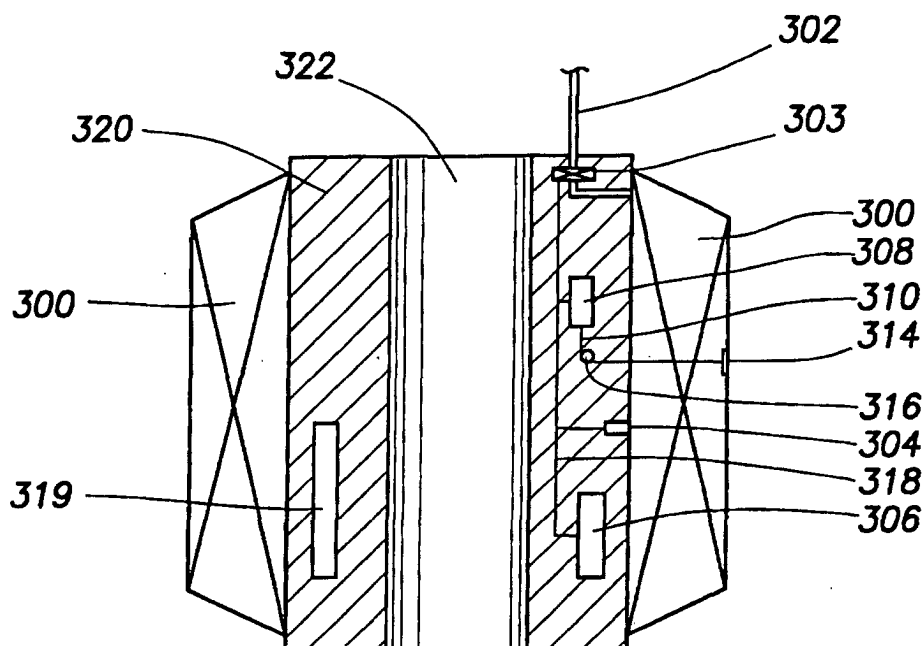


FIG.3

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EUROPEAN SEARCH REPORT

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EP 04 25 1246

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	WO 96/24745 A2 (BAKER HUGHES INCORPORATED) 15 August 1996 (1996-08-15) * page 37, line 28 - page 39, line 13; figures 6,7,10 * Claim 6 implicitly anticipated (see particularly p. 38, l. 5-7). -----	1-10	E21B33/127 E21B33/127 E21B47/06
X	GB 2 372 277 A (* BAKER HUGHES INCORPORATED) 21 August 2002 (2002-08-21) * page 2, line 26 - page 3, line 30 * Claim 6 implicitly anticipated (see particularly p. 3, l. 6-9). -----	1-10	
X	EP 0 697 501 A2 (HALLIBURTON COMPANY; HALLIBURTON ENERGY SERVICES, INC) 21 February 1996 (1996-02-21) * column 9, line 57 - column 11, line 40; figure 4 * Claim 6 implicitly anticipated because the pressure corresponds to a certain distance of the outer wall -----	1-10	
X	US 4 898 236 A (SASK ET AL) 6 February 1990 (1990-02-06) * column 6, line 10 - line 37; figure 1 * -----	1-10	E21B
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 28 January 2005	Examiner Tompoulglou, C
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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