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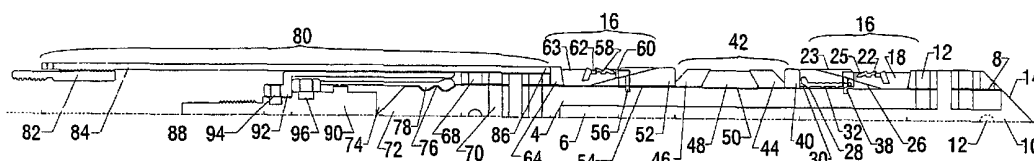
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(54) Title: DRILLABLE BRIDGE PLUG



(57) Abstract: A method and apparatus (Fig.1) for use in a subterranean well described. The apparatus typically includes a subterranean plug including a mandrel having an outer surface and a non-circular cross-section and a packing element arranged about the mandrel, the packing element having a non-cylindrical inner surface matching the mandrel outer surface such that concentric rotation between the mandrel and the packing element is precluded. The apparatus may include slips having cavities to facilitate quick drill-out of the plug.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US01/20565

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : E21B 93/129

US CL : 166/387,118,134

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)

U.S. : 166/387,118,134,123,376,138,135,179,206,217,382

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
none

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
none

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,839,515 A (YUAN ET AL) 24 November 1998 (24/11/98), see entire document.	19-91,111-114
X	US 3,687,196 A (MULLINS) 29 August 1972 (29/08/72), see entire document.	1-18
A	US 5,540,279 A (BRANCH ET AL) 30 July 1996 (30/07/96), see entire document.	1-114

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

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"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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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
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