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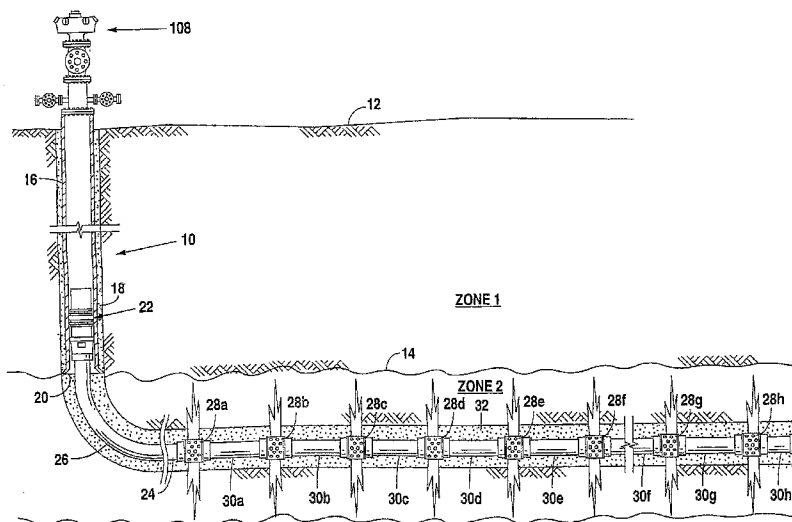
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CEMENTED OPEN HOLE SELECTIVE FRACING SYSTEM



(57) Abstract: A cemented open hole selective tracing system is shown. In the producing zone, an open hole is drilled therein and a production tubing is cemented in place. At preselected locations along the production tubing, the production tubing will have sliding valves located there along. The sliding valves may be selectively opened by a shifting tool, and the cement around the sliding valve dissolved. Thereafter, the formation may be traced immediately adjacent the opened sliding valve. By selectively opening different combinations of sliding valves, fracing can occur in stages with more fracing pressure and more fracing fluid being delivered deeper into the formation. Just as the sliding valves can be selectively opened with a switching tool, the sliding valves can also be selectively closed to protect the production of the well.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/08624

A. CLASSIFICATION OF SUBJECT MATTER
 IPC: **E21B 43/26**(2006.01)

USPC: 166/308.1,373,281
 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. : 166/308.1, 373, 281

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)
 PRODUCTION; TUBING; CEMENT; VLAVE SLIDING SLEEVE; VALVE; HOLE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,047,773 A (ZELTMANN ET AL.) 11 April 2000, see entire document.	1-11
Y	US 6,763,885 B2 (CAVENDER) 20 July 2004, see entire document.	1-11
Y	US 4,516,879 A (BERRY ET AL.) 14 May 1985, see entire document.	1-11
A	US 4,949,788 A (SZARKA ET AL.) 21 August 1990, see entire document.	

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

* Special categories of cited documents:		
"A" document defining the general state of the art which is not considered to be of particular relevance	"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
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"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed	"&"	document member of the same patent family

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