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(54) **Wellbore lock system and method of use.**

(57) A lock comprises a housing assembly (14); an actuation assembly (28) operatively associated with said housing assembly (14) and movable in relation to said housing assembly (14); at least one engagement member (24) coupled to said housing assembly (14), said engagement member being movable from a first position wherein said engagement member is substantially radially retracted relative to said housing assembly, to a second position wherein said engagement member is operatively extended relative to said housing assembly; and a sealing assembly (78) coupled to said housing assembly, said sealing assembly comprising an expandable seal element (80) and an expandable backup member (82), said seal element (80) and backup member (82) each having an interior surface, said seal element operatively associated with said actuation assembly to facilitate radial expansion of said interior surfaces of said seal element and said backup member upon predetermined movement of said actuation assembly.

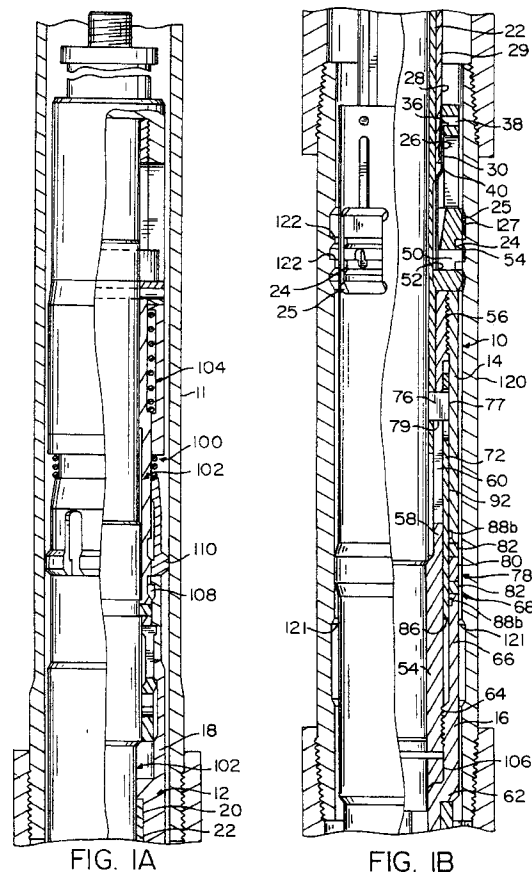


FIG. 1A

FIG. 1B



European Patent
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EUROPEAN SEARCH REPORT

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EP 94 30 2262

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)
X	US-A-4 116 277 (MCGEE)	5,7-9	E21B23/02 E21B33/12 E21B23/06
Y	* abstract; figures * ---	1-4,6	
Y	US-A-4 288 082 (SETTERBERG) * abstract; figures 5-7 * * column 7, line 27 - line 37 * ---	1-4	
Y	US-A-5 119 875 (RICHARD) * abstract; figures * ---	6	
A	US-A-3 250 331 (BOYLE) * figures * ---	1,5	
A	US-A-4 284 137 (TAYLOR) * abstract; figures * ---	1,5	
A	US-A-3 436 084 (COURTER) * abstract; figures * ---	1,5	
A	US-A-4 349 204 (MALONE) * abstract; figures * ---	1,5	TECHNICAL FIELDS SEARCHED (Int.Cl.5)
P,X	GB-A-2 266 908 (OTIS) * abstract; figures * ---	1,5	E21B
E	US-A-5 348 087 (WILLIAMSON) * abstract; figures * -----	1,5	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 3 May 1995	Examiner Weiland, T
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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