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54 **Hydraulic gerotor motor and parking brake for use therein.**

57 A lock mechanism is disclosed for use in association with a gerotor displacement mechanism of the type including an internally-toothed ring (23) and an externally-toothed star (27). The lock mechanism includes a lock member (81) and an actuation mechanism (83) including a backup member (85) which engages the lock member and an actuator (89). The

actuator is in threaded engagement with a boss portion (71) of the ring whereby rotation results in movement radially inwardly, forcing the lock member into its adjacent volume chamber (29) to engage one of the external teeth of the star and prevent further orbital and rotational movement of the star.

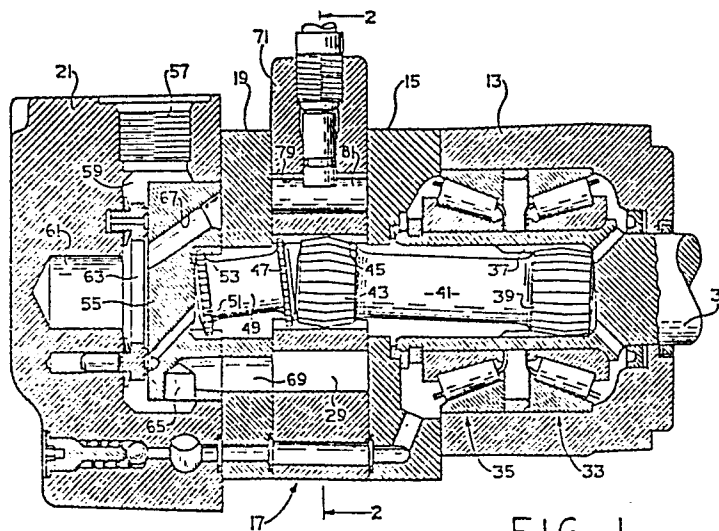


FIG. 1



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 ³)
A,D	US-A-3 616 882 (WHITE) * column 3, line 34 - column 4, line 41; column 6, line 55 - column 7, line 12; figure 1 *	1,6	F 04 C 2/10 F 01 C 21/00 F 04 C 15/00 F 04 C 15/04
A	--- GB-A-2 033 479 (REXROTH) * page 1, line 83 - page 2, line 81; figures 1-4 *	13	
A	--- DE-A-2 224 484 (SOLHTSCHI) * page 7, line 20 - page 9, last line; figure 2 *	1,6,13	
A,D	--- US-A-4 343 600 (THORSON) * column 3, line 47 - column 5, line 6; figures 1,2 *	1,6	
A,D	--- US-A-3 572 983 (McDERMOTT) * column 2, line 39 - column 3, line 34; figure 1 *	1,6	TECHNICAL FIELDS SEARCHED (Int Cl ³) B 60 K 17/00 B 60 K 20/00 B 60 K 41/00 B 66 D 5/00 F 01 C 1/00 F 01 C 1/10 F 04 C 2/00 F 04 C 15/00
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 26-08-1986	Examiner NORDSTROEM U.L.N.
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			