

Title (en)  
HYDRAULIC GEROTOR MOTOR AND PARKING BRAKE FOR USE THEREIN

Publication  
**EP 0124299 A3 19861217 (EN)**

Application  
**EP 84302283 A 19840403**

Priority  
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Abstract (en)  
[origin: EP0124299A2] 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 actuating 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.

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IPC 8 full level  
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CPC (source: EP)  
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Citation (search report)  
• [AD] US 3616882 A 19711102 - WHITE HARVEY CLINTON  
• [A] GB 2033479 A 19800521 - REXROTH GMBH G L  
• [A] DE 2224484 A1 19731206 - SOLHTSCHI AHMED  
• [AD] US 4343600 A 19820810 - THORSON CLAYTON W  
• [AD] US 3572983 A 19710330 - MCDERMOTT HUGH L

Cited by  
EP0190845A3; CN102168643A; IT201800008269A1; GB2328249A; GB2328249B; EP4276298A1; US11598332B2; US9850898B2; WO2020044320A1

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