

Title (en)  
Hydraulic motor.

Title (de)  
Hydraulischer Motor.

Title (fr)  
Moteur hydraulique.

Publication  
**EP 0117152 A1 19840829 (EN)**

Application  
**EP 84301108 A 19840221**

Priority  
ZA 831138 A 19830221

Abstract (en)  
A hydraulic motor (10), comprising a plurality of radially mounted hydraulic cylinders (14) pivoted at their outer ends at fixed locations (16), a drive shaft (26), a main crank pin (22) fixed eccentrically to the drive shaft, and a member (18) pivoted to the main crank pin on which member the inner ends of the hydraulic cylinders are pinned on a circle concentric to the main crank pin so that hydraulic fluid fed to the cylinders causes the shaft to rotate; characterised in that the motor further includes an extension portion of the member (18) pivoted to a second crank pin (28) mounted to rotate eccentrically about a fixed centre of rotation, and means (34,38,36) to link the rotary motion of the drive shaft (26) and the second crank pin (28) so that the rotary motions are in phase.

IPC 1-7  
**F03C 1/22**; **F03C 1/04**

IPC 8 full level  
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CPC (source: EP)  
**F03C 1/0419** (2013.01); **F03C 1/223** (2013.01)

Citation (search report)  
• [Y] GB 650810 A 19510307 - SCHWEIZERISCHE LOKOMOTIV  
• [Y] US 2235486 A 19410318 - LANIER LAWRANCE CHARLES  
• [A] GB 914373 A 19630102 - RICHIER SA

Cited by  
CN102287408A; CN107542660A; GB2185075A; GB2185075B; CN107191561A

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DOCDB simple family (application)  
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