

Title (en)  
FLUIDIC RADIAL PISTON MACHINE

Publication  
**EP 0180912 B1 19890412 (DE)**

Application  
**EP 85113805 A 19851030**

Priority  
DE 3440543 A 19841107

Abstract (en)  
[origin: US4768421A] A hydraulic radial piston machine with steplessly adjustable volumetric displacement and piston stroke has a bank of pistons with axes in a common plane transverse to the shaft and machine axes. A radially displaceable supporting member pivotably connected to a shaft longitudinal portion turnable from the machine longitudinal axis supports the pistons. The longitudinal portion is pivotably connected at one end to a further longitudinal shaft portion. The second end connects to a turning link transmission which rotates. Rotation of the first-mentioned longitudinal shaft portion causes the supporting member to travel a circular path around the machine axis. A force-loaded translating operating displacing member steplessly varies the diameter of this circle to steplessly adjust piston stroke.

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**F01B 1/00**

IPC 8 full level  
**F03C 1/053** (2006.01); **F03C 1/40** (2006.01); **F04B 49/12** (2006.01)

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