

## ROTARY FLUID MOTOR

### ABSTRACT

A fluid motor having a fixed cylindrical casing, supporting a rotor having an output shaft extending rotatably and coaxially in the casing. The rotor includes piston chambers and reciprocable pistons in the piston chamber. A piston rod of each piston is connected to a crankshaft connected to the rotor for rotation therewith. The casing has inlet and outlet ports communicating with the piston chambers during rotation of the rotor to admit compressed fluid through the inlet-port and discharge from the outlet-port. A drive train synchronizes rotation of the crankshafts and the output shaft, a gear tooth ratio of an annular gear to pinion gears on the crankshafts is preferably twice the number of pistons in each rotor block.