

F03 MACHINES OR ENGINES FOR LIQUIDS (for liquids and elastic fluids F01; positive-displacement machines for liquids F04); **WIND, SPRING, OR WEIGHT MOTORS; PRODUCING MECHANICAL POWER OR A REACTIVE PROPULSIVE THRUST, NOT OTHERWISE PROVIDED FOR**

F03C POSITIVE-DISPLACEMENT ENGINES DRIVEN BY LIQUIDS (positive-displacement engines for liquids and elastic fluids F01; positive-displacement machines for liquids F04; fluid-pressure actuators F15B; fluid gearing F16H)

Attention is drawn to the Notes preceding class F01, especially as regards the definitions of “positive displacement”, “rotary-piston machines”, “oscillating-piston machines”, “rotary-piston”, “co-operating members”, “movement of co-operating members”, “teeth or tooth-equivalents”, and “internal axis”.

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| <p>1/00 Reciprocating-piston liquid engines</p> <p>1/007 . with single cylinder, double-acting piston [5]</p> <p>1/013 . with single cylinder, single-acting piston [5]</p> <p>1/02 . with multiple cylinders, characterised by the number or arrangement of cylinders (with movable cylinders F03C 1/22; of flexible-wall type F03C 5/02)</p> <p>1/03 . . with movement in two directions being obtained by two single-acting piston liquid engines, each acting in one direction [5]</p> <p>1/04 . . with cylinders in star- or fan-arrangement</p> <p>1/047 . . . the pistons co-operating with an actuated element at the outer ends of the cylinders [5]</p> <p>1/053 . . . the pistons co-operating with an actuated element at the inner ends of the cylinders [5]</p> <p>1/06 . . with cylinder axes generally coaxial with, or parallel or inclined to, main shaft axis</p> <p>1/08 . Distributing valve-gear peculiar thereto (for multiple-cylinder engines F03C 1/34; for engines with positive displacement in general F01L)</p> <p>1/10 . . actuated by piston or piston-rod</p> <p>1/12 . . . mechanically [5]</p> <p>1/14 . . actuated by the driving liquid of the engine [5]</p> <p>1/16 . . Speed controlling, equalising, or cushioning [5]</p> <p>1/20 . . specially adapted for engines generating vibration only</p> <p>1/22 . with movable cylinders</p> <p>1/24 . . in which the liquid exclusively displaces one or more pistons reciprocating in rotary cylinders</p> <p>1/247 . . . with cylinders in star- or fan-arrangement [5]</p> <p>1/253 . . . with cylinder axes generally coaxial with, or parallel to, main shaft axis [5]</p> <p>1/26 . adapted for special use or combined with apparatus driven thereby (aspects predominantly concerning the driven apparatus, <u>see</u> the relevant classes for such apparatus)</p> <p>1/28 . Pistons specially adapted therefor [5]</p> <p>1/30 . Cams specially adapted therefor [5]</p> <p>1/32 . Cylinders specially adapted therefor [5]</p> | <p>1/34 . Distribution members specially adapted for multiple-cylinder engines [5]</p> <p>1/36 . . Cylindrical distribution members [5]</p> <p>1/38 . . Plate-like distribution members [5]</p> <p>1/40 . Control specially adapted therefor [5]</p> <p>2/00 Rotary-piston engines (in which the liquid exclusively displaces one or more piston reciprocating in rotary cylinders F03C 1/24) [3]</p> <p>Group F03C 2/30 takes precedence over groups F03C 2/02 F03C 2/24. [3]</p> <p>2/02 . of arcuate-engagement type, i.e. with circular translatory movement of co-operating members, each member having the same number of teeth or tooth-equivalents [3]</p> <p>2/08 . of intermeshing-engagement type, i.e. with engagement of co-operating members similar to that of toothed gearing [3]</p> <p>2/22 . of internal-axis type with equidirectional movement of co-operating members at the points of engagement, or with one of the co-operating members being stationary, the inner member having more teeth or tooth-equivalents than the outer member [3]</p> <p>2/24 . of counter-engagement type, i.e. the movement of co-operating members at the points of engagement being in opposite directions [3]</p> <p>2/30 . having the characteristics covered by two or more of groups F03C 2/02, F03C 2/08, F03C 2/22, F03C 2/24 or having the characteristics covered by one of these groups together with some other type of movement between co-operating members [3]</p> <p>4/00 Oscillating-piston engines [3]</p> <p>5/00 Other engines</p> <p>5/02 . of flexible-wall type</p> |
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