Symbol	Typ	Titel
F	**Sektion**	**SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING**
F03	**Klasse**	**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	**Unterklasse**	**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)**
F03C 1/00	**Hauptgruppe**	**Reciprocating-piston liquid engines**
F03C 1/007	1-Punkt Untergruppe	. with single cylinder, double-acting piston [5]
F03C 1/013	1-Punkt Untergruppe	. with single cylinder, single-acting piston [5]
F03C 1/02	1-Punkt Untergruppe	. with multiple cylinders, characterised by the number or arrangement of cylinders (with movable cylinders F03C 1/22; of flexible-wall type F03C 5/02)
F03C 1/03	2-Punkt Untergruppe	. . with movement in two directions being obtained by two single-acting piston liquid engines, each acting in one direction [5]
F03C 1/04	2-Punkt Untergruppe	. . with cylinders in star- or fan-arrangement
F03C 1/047	3-Punkt Untergruppe	. . . the pistons co-operating with an actuated element at the outer ends of the cylinders [5]
F03C 1/053	3-Punkt Untergruppe	. . . the pistons co-operating with an actuated element at the inner ends of the cylinders [5]
F03C 1/06	2-Punkt Untergruppe	. . with cylinder axes generally coaxial with, or parallel or inclined to, main shaft axis
F03C 1/08	1-Punkt Untergruppe	. Distributing valve-gear peculiar thereto (for multiple-cylinder engines F03C 1/34; for engines with positive displacement in general F01L)
F03C 1/10	2-Punkt Untergruppe	. . actuated by piston or piston-rod
F03C 1/12	3-Punkt Untergruppe	. . . mechanically [5]
F03C 1/14	2-Punkt Untergruppe	. . actuated by the driving liquid of the engine [5]
F03C 1/16	2-Punkt Untergruppe	. . Speed controlling, equalising, or cushioning [5]
F03C 1/20	2-Punkt Untergruppe	. . specially adapted for engines generating vibration only
F03C 1/22	1-Punkt Untergruppe	. with movable cylinders
F03C 1/24	2-Punkt Untergruppe	. . in which the liquid exclusively displaces one or more pistons reciprocating in rotary cylinders
F03C 1/247	3-Punkt Untergruppe	. . . with cylinders in star- or fan-arrangement [5]
F03C 1/253	3-Punkt Untergruppe	. . . with cylinder axes generally coaxial with, or parallel to, main shaft axis [5]
F03C 1/26	1-Punkt Untergruppe	. adapted for special use or combined with apparatus driven thereby (aspects predominantly concerning the driven apparatus, see the relevant classes for such apparatus)
F03C 1/28	1-Punkt Untergruppe	. Pistons specially adapted therefor [5]
F03C 1/30	1-Punkt Untergruppe	. Cams specially adapted therefor [5]
F03C 1/32	1-Punkt Untergruppe	. Cylinders specially adapted therefor [5]

Symbol	Typ	Titel
F03C 1/34	1-Punkt Untergruppe	. Distribution members specially adapted for multiple-cylinder engines [5]
F03C 1/36	2-Punkt Untergruppe	. . Cylindrical distribution members [5]
F03C 1/38	2-Punkt Untergruppe	. . Plate-like distribution members [5]
F03C 1/40	1-Punkt Untergruppe	. Control specially adapted therefor [5]
F03C 2/00	**Hauptgruppe**	**Rotary-piston engines (in which the liquid exclusively displaces one or more piston reciprocating in rotary cylinders F03C 1/24) [3]**
F03C 2/02	1-Punkt Untergruppe	. 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]
F03C 2/08	1-Punkt Untergruppe	. of intermeshing-engagement type, i.e. with engagement of co-operating members similar to that of toothed gearing [3]
F03C 2/22	1-Punkt Untergruppe	. 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]
F03C 2/24	1-Punkt Untergruppe	. of counter-engagement type, i.e. the movement of co-operating members at the points of engagement being in opposite directions [3]
F03C 2/30	1-Punkt Untergruppe	. 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]
F03C 4/00	**Hauptgruppe**	**Oscillating-piston engines [3]**
F03C 5/00	**Hauptgruppe**	**Other engines**
F03C 5/02	1-Punkt Untergruppe	. of flexible-wall type