SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING

F15 FLUID-PRESSURE ACTUATORS; HYDRAULICS OR PNEUMATICS IN GENERAL

F15C FLUID-CIRCUIT ELEMENTS PREDOMINANTLY USED FOR COMPUTING OR CONTROL PURPOSES (transducers F15B 5/00; fluid dynamics in general F15D; computers comprising fluid elements G06D, G06G)

Note(s) [7]

Attention is drawn to the Notes following the titles of class B81 and subclass B81B relating to "micro-structural devices" and "micro-structural systems".

1/00 Circuit elements having no moving parts [1, 2006.01]

1/02 • Details **[1, 2006.01]**

1/04 • • Means for controlling fluid streams to fluid devices, e.g. by electric signals **[1, 2006.01]**

1/06 • • Constructional details; Selection of specified materials **[1, 2006.01]**

Note(s) [2]

Group F15C 1/22 takes precedence over groups F15C 1/08-F15C 1/20.

1/08 • Boundary-layer devices, e.g. wall-attachment amplifiers **[1, 2, 2006.01]**

1/10 • • for digital operation, e.g. to form a logical flip-flop, OR-gate, NOR-gate **[1, 2006.01]**

1/12 • • • Multiple arrangements thereof for performing operations of the same kind, e.g. majority gates, identity gates **[1, 2006.01]**

1/14 • Stream-interaction devices; Momentum-exchange devices, e.g. operating by exchange between two orthogonal fluid jets **[1, 2006.01]**

1/16 • Vortex devices, i.e. devices in which use is made of the pressure drop associated with vortex motion in a fluid **[1, 2006.01]**

1/18 • Turbulence devices, i.e. devices in which a controlling stream will cause a laminar flow to become turbulent **[1, 2006.01]**

1/20 • Direct-impact devices, i.e. devices in which two collinear opposing power streams are impacted **[1, 2006.01]**

1/22 • Oscillators **[2, 2006.01]**

3/00 Circuit elements having moving parts (valves, construction of valves F16K) **[1, 2006.01]**

Note(s) [2]

Group F15C 3/16 takes precedence over groups F15C 3/02-F15C 3/10.

3/02 • using spool valves **[1, 2006.01]**

3/04 • using diaphragms (connection of valves to inflatable elastic bodies B60C 29/00) **[1, 2006.01]**

3/06 • using balls **[1, 2006.01]**

3/08 • using reeds **[1, 2006.01]**

3/10 • using nozzles or jet pipes **[1, 2006.01]**

3/12 • • the nozzle or jet pipe being movable **[1, 2006.01]**

3/14 • • the jet from the nozzle being intercepted by a flap **[1, 2006.01]**

3/16 • Oscillators **[2, 2006.01]**

4/00 Circuit elements characterised by their special functions [1, 2006.01]

5/00 Manufacture of fluid-circuit elements; Manufacture of assemblages of such elements [1, 2006.01]

7/00 Hybrid elements, i.e. circuit elements having features according to groups F15C 1/00 and F15C 3/00 [2, 2006.01]