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

F15 FLUID-PRESSURE ACTUATORS; HYDRAULICS OR PNEUMATICS IN GENERAL

F15D FLUID DYNAMICS, i.e. METHODS OR MEANS FOR INFLUENCING THE FLOW OF GASES OR LIQUIDS (fluid-circuit elements F15C)

Note(s)

This subclass covers boundary-layer control and other arrangements and methods, not provided for in other classes, for influencing the flow of fluids relative to constraining surfaces and after leaving these surfaces, e.g. producing or removing turbulence, deflecting jets, guiding flow through bends in conduits, affecting distribution of fluid in a conduit, reducing fluid friction.

1/00 Influencing the flow of fluids [1, 2006.01]
1/02 • in pipes or conduits **[1, 2006.01]**
1/04 • • Arrangements of guide vanes in pipe elbows or duct bends; Construction of pipe conduit elements or elbows with respect to flow, specially for reducing losses of flow **[1, 2006.01]**
1/06 • • by influencing the boundary layer **[1, 2006.01]**
1/08 • of jets leaving an orifice (nozzles or outlets with means for mechanically breaking-up or deflecting the jet B05B, e.g. B05B 1/26) **[1, 2006.01]**
1/10 • around bodies of solid material **[1, 2006.01]**
1/12 • • by influencing the boundary layer **[1, 2006.01]**
1/14 • Diverting flow into alternative channels (in hydraulic engineering E02B) **[1, 2006.01]**