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

F23 COMBUSTION APPARATUS; COMBUSTION PROCESSES

F23R GENERATING COMBUSTION PRODUCTS OF HIGH PRESSURE OR HIGH VELOCITY, e.g. GAS-TURBINE COMBUSTION CHAMBERS (fluidised bed combustion apparatus specially adapted for operation at superatmospheric pressures F23C 10/16)

3/00 Continuous combustion chambers using liquid or gaseous fuel [3, 2006.01]

3/02 • characterised by the air-flow or gas-flow configuration (reverse-flow combustion chambers F23R 3/54; cyclone or vortex type combustion chambers F23R 3/58) **[3, 2006.01]**

3/04 • • Air inlet arrangements **[3, 2006.01]**

3/06 • • • Arrangement of apertures along the flame tube **[3, 2006.01]**

3/08 • • • • between annular flame tube sections, e.g. flame tubes with telescopic sections **[3, 2006.01]**

3/10 • • • for primary air (F23R 3/06 takes precedence) **[3, 2006.01]**

3/12 • • • • inducing a vortex **[3, 2006.01]**

3/14 • • • • • by using swirl vanes **[3, 2006.01]**

3/16 • • with devices inside the flame tube or the combustion chamber to influence the air or gas flow **[3, 2006.01]**

3/18 • • • Flame stabilising means, e.g. flame holders for after-burners of jet-propulsion plants **[3, 2006.01]**

3/20 • • • • incorporating fuel injection means **[3, 2006.01]**

3/22 • • • • movable, e.g. to an inoperative position; adjustable, e.g. self-adjusting **[3, 2006.01]**

3/24 • • • • of the fluid-screen type **[3, 2006.01]**

3/26 • • Controlling the air flow **[3, 2006.01]**

3/28 • characterised by the fuel supply **[3, 2006.01]**

3/30 • • comprising fuel prevapourising devices **[3, 2006.01]**

3/32 • • • being tubular **[3, 2006.01]**

3/34 • • Feeding into different combustion zones **[3, 2006.01]**

3/36 • • Supply of different fuels **[3, 2006.01]**

3/38 • • comprising rotary fuel injection means **[3, 2006.01]**

3/40 • characterised by the use of catalytic means **[3, 2006.01]**

3/42 • characterised by the arrangement or form of the flame tubes or combustion chambers **[3, 2006.01]**

3/44 • • Combustion chambers comprising a tubular flame tube within a tubular casing (reverse-flow combustion chambers F23R 3/54) **[3, 2006.01]**

3/46 • • Combustion chambers comprising an annular arrangement of flame tubes within a common annular casing or within individual casings **[3, 2006.01]**

3/48 • • • Flame tube interconnectors, e.g. cross-over tubes **[3, 2006.01]**

3/50 • • Combustion chambers comprising an annular flame tube within an annular casing (toroidal combustion chambers F23R 3/52) **[3, 2006.01]**

3/52 • • Toroidal combustion chambers **[3, 2006.01]**

3/54 • • Reverse-flow combustion chambers **[3, 2006.01]**

3/56 • • Combustion chambers having rotary flame tubes **[3, 2006.01]**

3/58 • • Cyclone or vortex type combustion chambers **[3, 2006.01]**

3/60 • • Support structures; Attaching or mounting means **[3, 2006.01]**

5/00 Continuous combustion chambers using solid or pulverulent fuel [3, 2006.01]

7/00 Intermittent or explosive combustion chambers [3, 2006.01]