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

F23 COMBUSTION APPARATUS; COMBUSTION PROCESSES

F23L SUPPLYING AIR OR NON-COMBUSTIBLE LIQUIDS OR GASES TO COMBUSTION APPARATUS IN GENERAL (firebridges with means for feeding air or steam F23M 3/04; baffles or shields with air supply passages F23M 9/04); VALVES OR DAMPERS SPECIALLY ADAPTED FOR CONTROLLING AIR SUPPLY OR DRAUGHT IN COMBUSTION APPARATUS; INDUCING DRAUGHT IN COMBUSTION APPARATUS; TOPS FOR CHIMNEYS OR VENTILATING SHAFTS; TERMINALS FOR FLUES

Subclass index

AIR SUPPLY
Passages for: primary air; secondary air.....1/00, 9/00
Valves or dampers
construction.....13/00
arrangements: before the fire; after the fire.....3/00, 11/00
Blast-producing apparatus before the fire; heating of air for combustion.....5/00, 15/00
SUPPLYING NON-COMBUSTIBLE LIQUIDS OR GASES, OTHER THAN AIR, TO THE FIRE.....7/00
DRAUGHT-INDUCING.....17/00
SUBJECT MATTER NOT PROVIDED FOR IN OTHER GROUPS OF THIS SUBCLASS.....99/00

1/00 Passages or apertures for delivering primary air for combustion (baffles or deflectors in air inlets F23M 9/02) **[1, 2006.01]**

1/02 • by discharging the air below the fire **[1, 2006.01]**

3/00 Arrangements of valves or dampers before the fire [1, 2006.01]

5/00 Blast-producing apparatus before the fire [1, 2006.01]

5/02 • Arrangements of fans or blowers **[1, 2006.01]**

5/04 • by induction of air for combustion, e.g. using steam jet **[1, 2006.01]**

7/00 Supplying non-combustible liquids or gases, other than air, to the fire, e.g. oxygen, steam [1, 2006.01]

9/00 Passages or apertures for delivering secondary air for completing combustion of fuel (baffles or deflectors in air inlets F23M 9/02) **[1, 2006.01]**

9/02 • by discharging the air above the fire **[1, 2006.01]**

9/04 • by discharging the air beyond the fire, i.e. nearer the smoke outlet **[1, 2006.01]**

9/06 • by discharging the air into the fire bed **[1, 2006.01]**

11/00 Arrangements of valves or dampers after the fire [1, 2006.01]

11/02 • for reducing draught by admission of air to flues **[1, 2006.01]**

13/00 Construction of valves or dampers for controlling air supply or draught [1, 2006.01]

13/02 • pivoted about a single axis but having no other movement (formed as linked slats each pivoted about an axis F23L 13/08) **[1, 2006.01]**

13/04 • • with axis perpendicular to face **[1, 2006.01]**

13/06 • slidable only **[1, 2006.01]**

13/08 • operating as a roller blind; operating as a venetian blind **[1, 2006.01]**

13/10 • having a compound movement involving both sliding and pivoting **[1, 2006.01]**

15/00 Heating of air supplied for combustion [1, 2006.01]

15/02 • Arrangements of regenerators **[1, 2006.01]**

15/04 • Arrangements of recuperators **[1, 2006.01]**

17/00 Inducing draught; Tops for chimneys or ventilating shafts; Terminals for flues [1, 2006.01]

17/02 • Tops for chimneys or ventilating shafts; Terminals for flues **[1, 2006.01]**

17/04 • • Balanced-flue arrangements, i.e. devices which combine air inlet to combustion unit with smoke outlet **[1, 2006.01]**

17/06 • • branched; T-headed **[1, 2006.01]**

17/08 • • with coaxial cones or louvres **[1, 2006.01]**

17/10 • • wherein the top moves as a whole **[1, 2006.01]**

17/12 • • Devices for fastening the top or terminal to chimney, shaft, or flue **[1, 2006.01]**

17/14 • • Draining devices **[1, 2006.01]**

17/16 • Induction apparatus, e.g. steam jet, acting on combustion products beyond the fire **[1, 2006.01]**

99/00 Subject matter not provided for in other groups of this subclass [2006.01]