

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

F23 COMBUSTION APPARATUS; COMBUSTION PROCESSES

F23J REMOVAL OR TREATMENT OF COMBUSTION PRODUCTS OR COMBUSTION RESIDUES; FLUES (combustion apparatus for consuming smoke or fumes, e.g. exhaust gases, F23G 7/06)

Note(s)

1. This subclass covers also the cleaning of surfaces of furnace tubes, flame tubes, water tubes, flues or the like of boilers, heat-exchange or heat-transfer conduits, which surfaces are contaminated by combustion products or combustion residues.
2. This subclass does not cover the cleaning of surfaces of boilers, heat exchange or heat-transfer conduits contaminated by other than combustion products or combustion residues, which is covered by subclass F28G.

Subclass index

REMOVAL OF SOLID COMBUSTION PRODUCTS OR RESIDUES

From combustion chamber.....1/00

From places beyond the fire.....3/00

TREATMENT OF COMBUSTION PRODUCTS OR RESIDUES

Supply of chemicals; preventing solidification; Treating smoke or fumes.....7/00, 9/00, 15/00

FLUES, FITTINGS FOR CHIMNEYS OR FLUES.....11/00, 13/00

SUBJECT MATTER NOT PROVIDED FOR IN OTHER GROUPS OF THIS SUBCLASS.....99/00

<p>1/00 Removing ash, clinker, or slag from combustion chambers (devices for removal of material from the bed of fluidised bed combustion apparatus F23C 10/24) [1, 2006.01]</p>	<p>11/02 • for conducting smoke or fumes originating from various locations to the outside, e.g. in locomotive sheds, in garages [1, 2006.01]</p>
<p>1/02 • Apparatus for removing ash, clinker or slag from ash-pits, e.g. by employing trucks or conveyors, by employing suction devices [1, 2006.01]</p>	<p>11/04 • in locomotives; in road vehicles; in ships [1, 2006.01]</p>
<p>1/04 • Hand tools, e.g. rakes, prickers, tongs [1, 2006.01]</p>	<p>11/06 • • for conducting smoke horizontally [1, 2006.01]</p>
<p>1/06 • Mechanically-operated devices, e.g. clinker pushers (forming part of the grate F23H) [1, 2006.01]</p>	<p>11/08 • for portable apparatus [1, 2006.01]</p>
<p>1/08 • Liquid slag removal [3, 2006.01]</p>	<p>11/10 • for tents; for log huts; for other inflammable structures [1, 2006.01]</p>
<p>3/00 Removing solid residues from passages or chambers beyond the fire, e.g. from flues by soot blowers [1, 2006.01]</p>	<p>11/12 • Smoke conduit systems for factories or large buildings [1, 2006.01]</p>
<p>3/02 • Cleaning furnace tubes; Cleaning flues or chimneys [1, 2006.01]</p>	<p>13/00 Fittings for chimneys or flues (side-supporting means for chimney stacks E04H 12/20; ladders permanently attached to chimneys E06C 9/00; draught-inducing apparatus associated with chimneys or flues F23L 17/00; tops for chimneys, terminals for flues F23L 17/02) [1, 2006.01]</p>
<p>3/04 • Traps [1, 2006.01]</p>	<p>13/02 • Linings; Jackets; Casings [1, 2006.01]</p>
<p>3/06 • Systems for accumulating residues from different parts of furnace plant [1, 2006.01]</p>	<p>13/04 • Joints; Connections [1, 2006.01]</p>
<p>7/00 Arrangement of devices for supplying chemicals to fire [1, 2006.01]</p>	<p>13/06 • Mouths; Inlet holes [1, 2006.01]</p>
<p>9/00 Preventing premature solidification of molten combustion residues [1, 2006.01]</p>	<p>13/08 • Doors or covers specially adapted for smoke-boxes, flues, or chimneys [1, 2006.01]</p>
<p>11/00 Devices for conducting smoke or fumes, e.g. flues (chimney stacks E04H 12/28; removing cooking fumes from domestic stoves or ranges F24C 15/20) [1, 5, 2006.01]</p>	<p>15/00 Arrangements of devices for treating smoke or fumes [1, 2006.01]</p>
	<p>15/02 • of purifiers, e.g. for removing noxious material (traps for solid residues F23J 3/04) [6, 2006.01]</p>
	<p>15/04 • • using washing fluids [6, 2006.01]</p>
	<p>15/06 • of coolers [6, 2006.01]</p>
	<p>15/08 • of heaters [6, 2006.01]</p>
	<p>99/00 Subject matter not provided for in other groups of this subclass [2006.01]</p>