

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

### F24 HEATING; RANGES; VENTILATING

#### F24B DOMESTIC STOVES OR RANGES FOR SOLID FUELS; IMPLEMENTS FOR USE IN CONNECTION WITH STOVES OR RANGES [6]

##### 1/00 Stoves or ranges

- 1/02 • Closed stoves
- 1/04 • • built-up from glazed tiles (F24B 1/08, F24B 1/16 take precedence)
- 1/06 • • • Construction of tiles or bracing means therefor, e.g. shim liner (forming of tiles B28B; glazing of tiles C04B)
- 1/08 • • with fuel storage in a single undivided hopper within stove or range
- 1/10 • • • with combustion in horizontal direction (F24B 1/14 takes precedence)
- 1/14 • • • with predistillation in the hopper
- 1/16 • • with fuel storage in multiple or divided hoppers within the stove or range
- 1/18 • Stoves with open fires, e.g. fireplaces
- 1/181 • • Free-standing fireplaces, e.g. for mobile homes [4]
- 1/182 • • with additional provisions for cooking (other stoves with additional provisions for cooking F24B 1/26) [4]
- 1/183 • • • with additional provisions for heating water [4]
- 1/185 • • • with air-handling means, heat exchange means, or additional provisions for convection heating (F24B 1/183 takes precedence; component parts or accessories having air-handling means, heat exchange means, or additional provisions for convection heating F24B 1/191); Regulating combustion; Controls therefor [4]
- 1/187 • • • Condition responsive controls for regulating combustion (valves or dampers for air supply F23L) [4]
- 1/188 • • • characterised by use of heat exchange means (F24B 1/187 takes precedence) [4]
- 1/189 • • • characterised by air-handling means, i.e. of combustion-air, heated-air, or flue-gases, e.g. draught control dampers (F24B 1/187, F24B 1/188 take precedence) [4]
- 1/19 • • • • Supplying combustion-air [4]
- 1/191 • • Component parts; Accessories [4]
- 1/192 • • • Doors; Screens; Fuel guards [4]
- 1/193 • • • Grates; Irons [4]
- 1/195 • • • Fireboxes; Frames; Hoods; Heat reflectors [4]
- 1/197 • • • Hearths [4]
- 1/198 • • • Surrounds-fronts [4]
- 1/199 • • • Fuel-handling equipment [4]
- 1/20 • Ranges
- 1/22 • • in which the baking oven is arranged above the fire-box
- 1/24 • • with built-in masses for heat storage or heat insulation

- 1/26 • Stoves with additional provisions for cooking (stoves with open-fires with additional provisions for cooking F24B 1/182) [4]
- 1/28 • Combined installations of stoves or ranges, e.g. back-to-back stoves with a common fire-box

##### 3/00 Heaters not covered by group F24B 1/00, e.g. charcoal brazier (for cooking A47J 27/00-A47J 37/00)

##### 5/00 Combustion-air or flue-gas circulation in or around stoves or ranges (stoves with open fires with air-handling means F24B 1/185) [4]

- 5/02 • in or around stoves
- 5/04 • • the air or gas passing downwards through the bottom of the stove or fire grate
- 5/06 • in or around ranges
- 5/08 • • around the baking oven

##### 7/00 Stoves, ranges, or flue-gas ducts, with additional provisions for convection heating (stoves with open fires characterised by use of heat exchange means F24B 1/185; air heaters having heat generating means F24H 3/00) [4]

- 7/02 • with external air ducts
- 7/04 • with internal air ducts
- 7/06 • without air ducts

##### 9/00 Stoves, ranges, or flue-gas ducts, with additional provisions for heating water (F24B 1/182, F24B 1/183 take precedence) [3, 4]

- 9/02 • in open containers, e.g. bain-marie
- 9/04 • in closed containers [4]

##### 13/00 Details solely applicable to stoves or ranges burning solid fuels (component parts or accessories for stoves with open-fires F24B 1/191; removing ash, clinker or slag from combustion chambers F23J 1/00; removing solid residues from passages or chambers beyond the fire F23J 3/00; joints or connections for chimneys or flues F23J 13/04; mouths or inlet holes for chimneys or flues F23J 13/06; means for supervising combustion F23M 11/04) [4]

- 13/02 • Arrangement or mounting of fire-grate assemblies (grates F23H); Arrangement or mounting of linings for fire-boxes, e.g. fire-back (ceramic materials C04B 33/00, C04B 35/00; casings, linings, walls for combustion chambers F23M)
- 13/04 • Arrangements for feeding solid fuel, e.g. hoppers (feeding solid fuel to combustion apparatus in general F23K)

F24B

|       |   |       |                                    |
|-------|---|-------|------------------------------------|
| 15/00 | <b>Implements for use in connection with stoves or ranges</b> (ash sieves B07B; firelighters C10L 11/00; removal of ashes F23J; other devices for igniting F23Q) <b>[6]</b> | 15/04 | • Coal hods; Coal boxes <b>[6]</b> |
|       |   | 15/06 | • Shovels with ejectors <b>[6]</b> |
|       |   | 15/08 | • Shovels with sifters <b>[6]</b>  |
| 15/02 | • for breaking coal <b>[6]</b>  | 15/10 | • Coal tongs <b>[6]</b>            |