## CPC COOPERATIVE PATENT CLASSIFICATION

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

*(NOTE omitted)*

### LIGHTING; HEATING

#### F24 HEATING; RANGES; VENTILATING

*(NOTE omitted)*

#### F24C OTHER DOMESTIC STOVES OR RANGES; DETAILS OF DOMESTIC STOVES OR RANGES, OF GENERAL APPLICATION

*(radiator stoves of the fluid-circulating type F24H)*

**WARNING**

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

<table>
<thead>
<tr>
<th>1/00</th>
<th>Stoves or ranges in which the fuel or energy supply is not restricted to solid fuel or to a type covered by a single one of the following groups F24C 3/00 - F24C 9/00; Stoves or ranges in which the type of fuel or energy supply is not specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/02</td>
<td>adapted for the use of two or more kinds of fuel or energy supply (F24C 1/16 takes precedence; combinations of two or more stoves or ranges each having a different kind of fuel or energy supply F24C 11/00)</td>
</tr>
<tr>
<td>1/04</td>
<td>simultaneously</td>
</tr>
<tr>
<td>1/06</td>
<td>by replacing parts, e.g. replacing burner by electric heater</td>
</tr>
<tr>
<td>1/08</td>
<td>solely adapted for radiation heating (F24C 1/16 takes precedence)</td>
</tr>
<tr>
<td>1/10</td>
<td>with reflectors</td>
</tr>
<tr>
<td>1/12</td>
<td>of circular shape</td>
</tr>
<tr>
<td>1/14</td>
<td>Radiation heating stoves and ranges with additional provision for convection heating (F24C 1/02; F24C 1/16 take precedence; solely adapted for convection heating F24H)</td>
</tr>
<tr>
<td>1/16</td>
<td>with special adaptation for travelling, e.g. collapsible</td>
</tr>
</tbody>
</table>

#### 3/00 Stoves and ranges for gaseous fuels

| 3/002 | [Stoves] |
| 3/004 | (of the closed type) |
| 3/006 | (simulating flames) |
| 3/008 | (Ranges) |
| 3/02 | with heat produced solely by flame (F24C 3/14 takes precedence) |
| 3/022 | [Stoves] |
| 3/025 | (of the closed type) |
| 3/027 | (Ranges) |
| 3/04 | with heat produced wholly or partly by a radiant body, e.g. by a perforated plate (F24C 3/14 takes precedence) |
| 3/042 | [Stoves] |
| 3/045 | (of the closed type) |
| 3/047 | (Ranges) |
| 3/06 | without any visible flame |
| 3/062 | (stoves) |

| 3/065 | (of the closed type) |
| 3/067 | (Ranges) |
| 3/08 | Arrangement or mounting of burners (burners per se F23D) |
| 3/082 | (on stoves) |
| 3/085 | (on ranges) |
| 3/087 | (in baking ovens) |
| 3/10 | Arrangement or mounting of ignition devices (ignition devices per se F23Q) |
| 3/103 | (of electric ignition devices) |
| 3/106 | (of flash tubes) |
| 3/12 | Arrangement for mounting of control and safety devices (control valves F16K; safety devices for burners F23D; regulating or controlling combustion F23N) |
| 3/122 | (on stoves) |
| 3/124 | (Control panels) |
| 3/126 | (on ranges) |
| 3/128 | (in baking ovens) |
| 3/14 | with special adaptation for travelling, e.g. collapsible |

#### 5/00 Stoves and ranges for liquid fuels

| 5/002 | with evaporation burners, e.g. dish type (F24C 5/20 takes precedence) |
| 5/04 | wick type |
| 5/06 | adjustable |
| 5/08 | with heat produced wholly or partly by a radiant body |
| 5/10 | with atomising burners (F24C 5/20 takes precedence) |
| 5/12 | Arrangement or mounting of burners (burners per se F23D) |
| 5/14 | Arrangement or mounting of ignition devices (ignition devices per se F23Q) |
| 5/16 | Arrangement and mounting of control and safety devices (control valves F16K; safety devices for burners F23D; regulating or controlling combustion F23N) |
| 5/18 | Liquid-fuel supply arrangements forming parts of stoves or ranges (feeding liquid fuel to combustion apparatus in general F23K) |
Stoves or ranges heated by electrical energy (electric heating elements or arrangements H05B)

- 7/00
- 7/02. (Stoves (F24C 7/02 - F24C 7/10 take precedence))
- 7/04. (simulating flames)
- 7/06. (using electrically heated liquids)
- 7/08. (using electrode heaters)
- 7/02. (heating using microwaves in general H05B 6/64)
- 7/04. (with heat radiated directly from the heating element (F24C 7/10 takes precedence)
- 7/043. [Stoves]
- 7/046. [Ranges]
- 7/06. Arrangement or mounting of electric heating elements
- 7/062. [on stoves]
- 7/065. [with reflectors (reflectors per se F24C 15/22)]
- 7/067. [on ranges]
- 7/08. Arrangement or mounting of control or safety devices (switches H01H; circuit arrangements for electric heating H05B)
- 7/081. [on stoves]
- 7/082. [on ranges, e.g. control panels, illumination]
- 7/083. [on tops, hot plates]
- 7/085. [on baking ovens]
- 7/086. [touch control]
- 7/087. [of electric circuits regulating heat]
- 7/088. [on stoves]
- 7/10. with special adaptation for travelling, e.g. collapsible
- 7/105. [Stoves]

Stoves or ranges heated by a single type of energy supply not covered by groups F24C 3000 - F24C 7000 or F24B (using the heat from an exothermal reaction not involving a supply of free oxygen gas, e.g. acetylene, hydrogen, using solar energy F24S 20/30; using the heat from an exothermal reaction not involving a supply of free oxygen gas F24V 30/00)

- 9/00
- 9/10. with special adaptation for travelling, e.g. collapsible

Combinations of two or more stoves or ranges, e.g. each having a different kind of energy supply

- 11/00
- 13/00

Stoves or ranges with additional provisions for heating water (mounting arrangements of water heaters or water-heating elements F24H 1/00)

- 14/00
- 14/05. [using a cleaning liquid]
- 14/02. pyrolytic type
- 14/025. [for gaseous fuels]

Details

- 15/00
- 15/01. [arrangements for discharging combustion gases]
- 15/02. [for stoves of the closed type]
- 15/03. [moisturising of air]
- 15/04. [Windows not in a door]
- 15/05. [Coatings for ovens]
- 15/06. [Arrangements for circulation of cooling air]
- 15/07. [Removable panels]
- 15/08. [Illumination for oven cavities]

- 15/02. Doors specially adapted for stoves or ranges (in general E06B; for combustion chambers F23M)
- 15/021. [sealings for doors or transparent panels (sealings for wings in general E06B 7/16)]
- 15/022. [Latches (in general E05C)]
- 15/023. [Mounting of doors, e.g. hinges, counterbalancing (in general E05D, E05F)]
- 15/024. [Handles (in general E05B)]
- 15/025. [with air curtain closures]
- 15/026. [stowing of door in open position]
- 15/027. [located at bottom side of housing]
- 15/028. [Stoves doors]
- 15/04. with transparent panels
- 15/045. [being dismountable, e.g. giving access for cleaning]
- 15/06. Ornamental features, e.g. grate front, surround
- 15/08. Foundations or supports plates; Legs or pillars; Casings; Wheels (F24C 15/10 takes precedence)
- 15/083. [Anti-tip arrangements]
- 15/086. [Adjustable legs or pillars]
- 15/10. Tops, e.g. hot plate; Rings (F24C 15/12, F24C 15/14 take precedence)
- 15/101. [provisions for circulation of air]
- 15/102. [electrically heated]
- 15/103. [being movable or rotatable]
- 15/104. [Arrangements of connectors, grounding, supply wires]
- 15/105. [Constructive details concerning the regulation of the temperature]
- 15/106. [electric circuits]
- 15/107. [Pan supports or grates therefor]
- 15/108. [Mounting of hot plate on worktop]
- 15/12. Side rests; Side plates; Cover lids; Splash guards; Rails outside ovens, e.g. for drying plates
- 15/14. Spillage trays or grooves
- 15/16. Shelves, racks, [rotisserie spits,] or trays inside ovens; Supports therefor
- 15/162. [Co-operating with a door, e.g. operated by the door]
- 15/164. [Rotisserie spits inside ovens]
- 15/166. [with integrated heating means]
- 15/168. [with telescopic rail systems]
- 15/18. Arrangement of compartments additional to cooking compartments, e.g. for warming, for storing utensils or fuel containers; Arrangements of additional heating or cooking apparatus, e.g. grills [additional cooking arrangements on stoves]
- 15/20. Removing cooking fumes (parts, details or accessories of cooking-vessels for withdrawing or condensing cooking vapours from such vessels A47I 36/38)
- 15/207. [from oven cavities]
- 15/2014. [with means for oxidation of cooking fumes]
- 15/2021. [Arrangement or mounting of control or safety systems]
- 15/2028. [using an air curtain]
- 15/2035. [Arrangement or mounting of filters (F24C 15/201 takes precedence; filters per se B01D 46/00)]
- 15/2042. [Devices for removing cooking fumes structurally associated with a cooking range (F24C 15/207 takes precedence)]
- 15/205. [with means for oxidation of cooking fumes]
15/2057 . . . (using a cleaning liquid)
15/2064 . . . (illumination for cooking hood)
15/2071 . . . (mounting of cooking hood)
15/2078 . . . (movable)
15/2085 . . . (adjustable in height)
15/2092 . . . (extendable or pivotable)
15/22 . Reflectors for radiation heaters
15/24 . Radiant bodies or panels for radiation heaters
       (gas burners for producing infra-red radiation
       F23D 14/12)
15/26 . Handles for carrying
15/28 . Draught shields
15/30 . Arrangements for mounting stoves or ranges in
       particular locations
15/32 . Arrangements of ducts for hot gases, e.g. in or
       around baking ovens
15/322 . . . (with forced circulation)
15/325 . . . (electrically-heated)
15/327 . . . (with air moisturising)
15/34 . Elements and arrangements for heat storage or
       insulation
15/36 . Protective guards, e.g. for preventing access to
       heated parts