

# CPC COOPERATIVE PATENT CLASSIFICATION

## F MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING (NOTE omitted)

### LIGHTING; HEATING

#### F24 HEATING; RANGES; VENTILATING (NOTE omitted)

#### F24C DOMESTIC STOVES OR RANGES (exclusively for solid fuels F24B); DETAILS OF DOMESTIC STOVES OR RANGES, OF GENERAL APPLICATION

##### 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.}

- |      |   |      |   |
|------|---|------|---|
| 1/00 | <p>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 <a href="#">F24C 3/00</a> - <a href="#">F24C 9/00</a>; Stoves or ranges in which the type of fuel or energy supply is not specified</p>   | 1/08 | <ul style="list-style-type: none"> <li>solely adapted for radiation heating</li> </ul>  |
| 1/02 | <ul style="list-style-type: none"> <li>adapted for the use of two or more kinds of fuel or energy supply (combinations of two or more stoves or ranges each having a different kind of fuel or energy supply <a href="#">F24C 11/00</a>)</li> </ul> <p><b><u>WARNING</u></b></p> <p>Group <a href="#">F24C 1/02</a> is incomplete pending reclassification of documents from groups <a href="#">F24C 1/16</a>, <a href="#">F24C 3/00</a>, and <a href="#">F24C 5/00</a>.</p> <p>Group <a href="#">F24C 1/02</a> is also impacted by reclassification into group <a href="#">F24C 1/14</a>.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p> | 1/10 | <ul style="list-style-type: none"> <li>with reflectors</li> </ul>   |
|      |   | 1/12 | <ul style="list-style-type: none"> <li>of circular shape</li> </ul>   |
|      |   | 1/14 | <ul style="list-style-type: none"> <li>Radiation heating stoves and ranges, with additional provision for convection heating</li> </ul> <p><b><u>WARNING</u></b></p> <p>Group <a href="#">F24C 1/14</a> is incomplete pending reclassification of documents from groups <a href="#">F24C 1/02</a>, <a href="#">F24C 1/04</a>, <a href="#">F24C 1/06</a>, <a href="#">F24C 1/16</a>, and <a href="#">F24C 3/00</a>.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p> |
| 1/04 | <ul style="list-style-type: none"> <li>simultaneously</li> </ul> <p><b><u>WARNING</u></b></p> <p>Group <a href="#">F24C 1/04</a> is incomplete pending reclassification of documents from group <a href="#">F24C 1/16</a>.</p> <p>Group <a href="#">F24C 1/04</a> is also impacted by reclassification into group <a href="#">F24C 1/14</a>.</p> <p>Groups <a href="#">F24C 1/16</a>, <a href="#">F24C 1/04</a>, and <a href="#">F24C 1/14</a> should be considered in order to perform a complete search.</p>  | 1/16 | <ul style="list-style-type: none"> <li>with special adaptation for travelling, e.g. collapsible</li> </ul> <p><b><u>WARNING</u></b></p> <p>Group <a href="#">F24C 1/16</a> is impacted by reclassification into groups <a href="#">F24C 1/02</a>, <a href="#">F24C 1/04</a>, <a href="#">F24C 1/06</a>, <a href="#">F24C 1/08</a>, and <a href="#">F24C 1/14</a>.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>  |
| 1/06 | <ul style="list-style-type: none"> <li>by replacing parts, e.g. replacing burners by electric heaters</li> </ul> <p><b><u>WARNING</u></b></p> <p>Group <a href="#">F24C 1/06</a> is incomplete pending reclassification of documents from group <a href="#">F24C 1/16</a>.</p> <p>Group <a href="#">F24C 1/06</a> is also impacted by reclassification into group <a href="#">F24C 1/14</a>.</p> <p>Groups <a href="#">F24C 1/16</a>, <a href="#">F24C 1/06</a>, and <a href="#">F24C 1/14</a> should be considered in order to perform a complete search.</p>  |      |   |

**3/00 Stoves or ranges for gaseous fuels (stoves or ranges specially adapted for the use of two or more kinds of fuel or energy supply [F24C 1/02](#))**

**WARNING**

Group [F24C 3/00](#) is impacted by reclassification into groups [F24C 1/02](#) and [F24C 1/14](#).

Groups [F24C 3/00](#), [F24C 1/02](#), and [F24C 1/14](#) should be considered in order to perform a complete search.

- 3/002 . {Stoves}
- 3/004 . . {of the closed type}
- 3/006 . . {simulating flames}
- 3/008 . {Ranges}
- 3/02 . with heat produced solely by flame

**WARNING**

Groups [F24C 3/02](#), [F24C 3/022](#), [F24C 3/025](#), and [F24C 3/027](#) are incomplete pending reclassification of documents from group [F24C 3/14](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- 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

**WARNING**

Groups [F24C 3/04](#), [F24C 3/042](#), [F24C 3/045](#), [F24C 3/047](#), and [F24C 3/06](#) are incomplete pending reclassification of documents from group [F24C 3/14](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- 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
- 3/082 . . {on stoves}
- 3/085 . . {on ranges}
- 3/087 . . . {in baking ovens}
- 3/10 . Arrangement or mounting of ignition devices
- 3/103 . . {of electric ignition devices}
- 3/106 . . {of flash tubes}
- 3/12 . Arrangement or mounting of control or safety devices
- 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

**WARNING**

Group [F24C 3/14](#) is impacted by reclassification into groups [F24C 3/02](#), [F24C 3/022](#), [F24C 3/025](#), [F24C 3/027](#), [F24C 3/04](#), [F24C 3/042](#), [F24C 3/045](#), [F24C 3/047](#), and [F24C 3/06](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**5/00 Stoves or ranges for liquid fuels (stoves or ranges specially adapted for the use of two or more kinds of fuel or energy supply [F24C 1/02](#))**

**WARNING**

Group [F24C 5/00](#) is impacted by reclassification into group [F24C 1/02](#).

Groups [F24C 5/00](#) and [F24C 1/02](#) should be considered in order to perform a complete search.

- 5/02 . with evaporation burners, e.g. dish type

**WARNING**

Groups [F24C 5/02](#), [F24C 5/04](#), [F24C 5/06](#), and [F24C 5/08](#) are incomplete pending reclassification of documents from group [F24C 5/20](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- 5/04 . . wick type
- 5/06 . . . adjustable
- 5/08 . . with heat produced wholly or partly by a radiant body
- 5/10 . with atomising burners

**WARNING**

Group [F24C 5/10](#) is incomplete pending reclassification of documents from group [F24C 5/20](#).

Groups [F24C 5/20](#) and [F24C 5/10](#) should be considered in order to perform a complete search.

- 5/12 . Arrangement or mounting of burners
- 5/14 . Arrangement or mounting of ignition devices
- 5/16 . Arrangement or mounting of control or safety devices
- 5/18 . Liquid-fuel supply arrangements forming parts of stoves or ranges
- 5/20 . with special adaptation for travelling, e.g. collapsible

**WARNING**

Group [F24C 5/20](#) is impacted by reclassification into groups [F24C 5/02](#), [F24C 5/04](#), [F24C 5/06](#), [F24C 5/08](#), and [F24C 5/10](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**7/00 Stoves or ranges heated by electric energy (stoves or ranges specially adapted for the use of two or more kinds of fuel or energy supply [F24C 1/02](#))**

- 7/002 . {Stoves ([F24C 7/02](#) - [F24C 7/10](#) take precedence)}
- 7/004 . . {simulating flames}
- 7/006 . {using electrically heated liquids}
- 7/008 . . {using electrode heaters}
- 7/02 . using microwaves
- 7/04 . with heat radiated directly from the heating element

**WARNING**

Group [F24C 7/04](#) is incomplete pending reclassification of documents from group [F24C 7/10](#).

Group [F24C 7/04](#) is also impacted by reclassification into groups [F24C 7/043](#) and [F24C 7/046](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- 7/043 . . {Stoves}

**WARNING**

Group [F24C 7/043](#) is incomplete pending reclassification of documents from group [F24C 7/04](#).

Groups [F24C 7/04](#) and [F24C 7/043](#) should be considered in order to perform a complete search.

- 7/046 . . {Ranges}

**WARNING**

Group [F24C 7/046](#) is incomplete pending reclassification of documents from group [F24C 7/04](#).

Groups [F24C 7/04](#) and [F24C 7/046](#) should be considered in order to perform a complete search.

- 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
- 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

**WARNING**

Group [F24C 7/10](#) is impacted by reclassification into groups [F24C 7/04](#) and [F24C 7/105](#).

Groups [F24C 7/04](#), [F24C 7/10](#), and [F24C 7/105](#) should be considered in order to perform a complete search.

- 7/105 . . {Stoves}

**WARNING**

Group [F24C 7/105](#) is incomplete pending reclassification of documents from group [F24C 7/10](#).

Groups [F24C 7/10](#) and [F24C 7/105](#) should be considered in order to perform a complete search.

- 9/00 **Stoves or ranges heated by a single type of energy supply not covered by groups [F24C 3/00](#) - [F24C 7/00](#) or subclass [F24B](#) (solar heat collectors for heating objects, e.g. solar cookers [F24S 20/30](#))**
- 11/00 **Combinations of two or more stoves or ranges, e.g. each having a different kind of energy supply**
- 13/00 **Stoves or ranges with additional provisions for heating water**
- 14/00 **Stoves or ranges having self-cleaning provisions, e.g. continuous catalytic cleaning or electrostatic cleaning**
  - 14/005 . {using a cleaning liquid}
  - 14/02 . pyrolytic type
  - 14/025 . . {for gaseous fuels}
- 15/00 **Details**
  - 15/001 . {arrangements for discharging combustion gases}
  - 15/002 . . {for stoves of the closed type}
  - 15/003 . {moisturising of air}
  - 15/004 . {Windows not in a door}
  - 15/005 . {Coatings for ovens}
  - 15/006 . {Arrangements for circulation of cooling air}
  - 15/007 . {Removable panels}
  - 15/008 . {Illumination for oven cavities}
  - 15/02 . Doors specially adapted for stoves or ranges
  - 15/021 . . {sealings for doors or transparent panel}
  - 15/022 . . {Latches}
  - 15/023 . . {Mounting of doors, e.g. hinges, counterbalancing}
  - 15/024 . . {Handles}
  - 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 fronts or surrounds
  - 15/08 . Foundations or supports plates; Legs or pillars; Casings; Wheels ([tops, e.g. hot plates F24C 15/10](#))
  - 15/083 . . {Anti-tip arrangements}
  - 15/086 . . {Adjustable legs or pillars}
  - 15/10 . Tops, e.g. hot plates; Rings ([cover lids or splash guards F24C 15/12](#); [spillage trays or grooves F24C 15/14](#))
  - 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; Racks outside ovens, e.g. for drying plates
- 15/14 . Spillage trays or grooves
- 15/16 . Shelves, racks 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 or for storing utensils or fuel containers; Arrangement of additional heating or cooking apparatus, e.g. grills
- 15/20 . Removing cooking fumes ([parts, details or accessories of cooking-vessels for withdrawing or condensing cooking vapours from such vessels A47J 36/38](#))
- 15/2007 . . {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 15/2021 takes precedence; filters per se B01D 46/00](#))}
- 15/2042 . . {Devices for removing cooking fumes structurally associated with a cooking range e.g. downdraft ([F24C 15/2007 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