

**CPC****COOPERATIVE PATENT CLASSIFICATION****F24C****OTHER DOMESTIC STOVES OR RANGES; DETAILS OF DOMESTIC STOVES OR RANGES, OF GENERAL APPLICATION**(radiator stoves of the fluid-circulating type [F24H](#))**F24C 1/00****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](#) to [F24C 9/00](#); Stoves or ranges in which the type of fuel or energy supply is not specified**[F24C 1/02](#)

- . 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](#))

[F24C 1/04](#)

- .. simultaneously

[F24C 1/06](#)

- .. by replacing parts, e.g. replacing burner by electric heater

[F24C 1/08](#)

- . solely adapted for radiation heating ([F24C 1/16](#) takes precedence)

[F24C 1/10](#)

- .. with reflectors

[F24C 1/12](#)

- ... of circular shape

[F24C 1/14](#)

- . 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](#))

[F24C 1/16](#)

- . with special adaptation for travelling, e.g. collapsible

**F24C 3/00****Stoves and ranges for gaseous fuels**[F24C 3/002](#)

- . {Stoves}

[F24C 3/004](#)

- .. {of the closed type}

[F24C 3/006](#)

- .. {simulating flames}

[F24C 3/008](#)

- . {Ranges}

[F24C 3/02](#)

- . with heat produced solely by flame ([F24C 3/14](#) takes precedence)

[F24C 3/022](#)

- .. {Stoves}

[F24C 3/025](#)

- ... {of the closed type}

[F24C 3/027](#)

- .. {Ranges}

[F24C 3/04](#)

- . with heat produced wholly or partly by a radiant body, e.g. by a perforated plate ([F24C 3/14](#) takes precedence)

[F24C 3/042](#)

- .. {Stoves}

[F24C 3/045](#)

- ... {of the closed type}

[F24C 3/047](#)

- .. {Ranges}

[F24C 3/06](#)

- .. without any visible flame

[F24C 3/062](#)

- ... {stoves}

[F24C 3/065](#)

- .... {of the closed type}

[F24C 3/067](#)

- ... {Ranges}

[F24C 3/08](#)

- . Arrangement or mounting of burners (burners per se [F23D](#))

[F24C 3/082](#)

- .. {on stoves}

[F24C 3/085](#)

- .. {on ranges}

- F24C 3/087 . . . {in baking ovens}
- F24C 3/10 . Arrangement or mounting of ignition devices (ignition devices per se [F23Q](#))
- F24C 3/103 . . {of electric ignition devices}
- F24C 3/106 . . {of flash tubes}
- F24C 3/12 . Arrangement for mounting of control and safety devices (control valves [F16K](#); safety devices for burners [F23D](#); regulating or controlling combustion [F23N](#))
- F24C 3/122 . . {on stoves}
- F24C 3/124 . . {Control panels}
- F24C 3/126 . . {on ranges}
- F24C 3/128 . . . {in baking ovens}
- F24C 3/14 . with special adaptation for travelling e.g. collapsible

**F24C 5/00****Stoves and ranges for liquid fuels**

- F24C 5/02 . with evaporation burners, e.g. dish type ([F24C 5/20](#) takes precedence)
- F24C 5/04 . . wick type
- F24C 5/06 . . . adjustable
- F24C 5/08 . . with heat produced wholly or partly by a radiant body
- F24C 5/10 . with atomising burners ([F24C 5/20](#) takes precedence)
- F24C 5/12 . Arrangement or mounting of burners (burners per se [F23D](#))
- F24C 5/14 . Arrangement or mounting of ignition devices (ignition devices per se [F23Q](#))
- F24C 5/16 . Arrangement and mounting of control and safety devices (control valves [F16K](#); safety devices for burners [F23D](#); regulating or controlling combustion [F23N](#))
- F24C 5/18 . Liquid-fuel supply arrangements forming parts of stoves or ranges (feeding liquid fuel to combustion apparatus in general [F23K](#))
- F24C 5/20 . with special adaptation for travelling, e.g. collapsible

**F24C 7/00****Stoves or ranges heated by electrical energy (electric heating elements or arrangements [H05B](#))**

- F24C 7/002 . {Stoves ([F24C 7/02](#) to [F24C 7/10](#) take precedence)}
- F24C 7/004 . . {simulating flames}
- F24C 7/006 . . {using electrically heated liquids}
- F24C 7/008 . . {using electrode heaters}
- F24C 7/02 . using microwaves (heating using microwaves in general [H05B 6/64](#))
- F24C 7/04 . with heat radiated directly from the heating element ([F24C 7/10](#) takes precedence)
- F24C 7/043 . . {Stoves}
- F24C 7/046 . . {Ranges}

**WARNING**

Group [F24C 7/046](#) is not complete, pending reorganisation. See also [F24C 7/04](#)

- F24C 7/06 . Arrangement or mounting of electric heating elements
- F24C 7/062 . . {on stoves}

- F24C 7/065 . . . {with reflectors (reflectors per se [F24C 15/22](#))}
- F24C 7/067 . . {on ranges}

**WARNING**

Group [F24C 7/067](#) is not complete, pending reorganisation. See also [F24C 7/06](#)

- F24C 7/08 . Arrangement or mounting of control or safety devices ([switches H01H](#); [circuit arrangements for electric heating H05B](#))
- F24C 7/081 . . {on stoves}
- F24C 7/082 . . {on ranges, e.g. control panels, illumination}
- F24C 7/083 . . . {on tops, hot plates}

**WARNING**

Groups [F24C 7/083](#), [F24C 7/085](#), [F24C 7/086](#) are not complete, pending reclassification. See also [F24C 7/082](#)

- F24C 7/085 . . . {on baking ovens}
- F24C 7/086 . . . {touch control}
- F24C 7/087 . . {of electric circuits regulating heat}
- F24C 7/088 . . . {on stoves}
- F24C 7/10 . with special adaptation for travelling, e.g. collapsible
- F24C 7/105 . . {Stoves}

**F24C 9/00** **Stoves or ranges heated by a single type of energy supply not covered by groups [F24C 3/00](#) to [F24C 7/00](#) or [F24B](#) (using the heat from an exothermal reaction not involving a supply of free oxygen gas, {using special gaseous fuel e.g. acetylene, hydrogen,} using solar energy [F24J](#))**

**F24C 11/00** **Combinations of two or more stoves or ranges, e.g. each having a different kind of energy supply**

**F24C 13/00** **Stoves or ranges with additional provisions for heating water ([mounting arrangements of water heaters or water-heating elements F24H 1/00](#))**

**F24C 14/00** **Stoves or ranges having self-cleaning provisions, e.g. continuous or catalytic cleaning, electrostatic cleaning**

- F24C 14/005 . {using a cleaning liquid}
- F24C 14/02 . pyrolytic type
- F24C 14/025 . . {for gaseous fuels}

**F24C 15/00** **Details**

- F24C 15/001 . {arrangements for discharging combustion gases}
- F24C 15/002 . . {for stoves of the closed type}
- F24C 15/003 . {moisturising of air}
- F24C 15/004 . {Windows not in a door}

- F24C 15/005 . {Coatings for ovens}
- F24C 15/006 . {Arrangements for circulation of cooling air}
- F24C 15/007 . {Removable panels}
- F24C 15/008 . {Illumination for oven cavities}
- F24C 15/02 . Doors specially adapted for stoves or ranges (in general [E06B](#); for combustion chambers [F23M](#))
- F24C 15/021 .. {sealings for doors or transparent panels (sealings for wings in general [E06B 7/16](#))}
- F24C 15/022 .. {Latches (in general [E05C](#))}
- F24C 15/023 ... {Mounting of doors, e.g. hinges, counterbalancing (in general [E05D](#), [E05F](#))}
- F24C 15/024 ... {Handles (in general [E05B](#))}
- F24C 15/025 .. {with air curtain closures}

**WARNING**

Groups [F24C 15/025-F24C 15/028](#) are not complete, pending reclassification.  
See also [F24C 15/02](#)

- F24C 15/026 .. {stowing of door in open position}
- F24C 15/027 .. {located at bottom side of housing}
- F24C 15/028 .. {Stoves doors}
- F24C 15/04 .. with transparent panels
- F24C 15/045 ... {being dismountable, e.g. giving access for cleaning}
- F24C 15/06 . Ornamental features, e.g. grate front, surround
- F24C 15/08 . Foundations or supports plates; legs or pillars; Casings; Wheels ([F24C 15/10](#) takes precedence)
- F24C 15/083 .. {Anti-tip arrangements}

**WARNING**

Groups [F24C 15/083-F24C 15/086](#) are not complete, pending reclassification.  
See also [F24C 15/08](#)

- F24C 15/086 .. {Adjustable legs or pillars}
- F24C 15/10 . Tops, e.g. hot plate; Rings ([F24C 15/12](#), [F24C 15/14](#) take precedence)
- F24C 15/101 .. {provisions for circulation of air}
- F24C 15/102 .. {electrically heated}
- F24C 15/103 ... {being movable or rotatable}
- F24C 15/104 ... {Arrangements of connectors, grounding, supply wires}
- F24C 15/105 ... {Constructive details concerning the regulation of the temperature}
- F24C 15/106 ... {electric circuits}
- F24C 15/107 .. {Pan supports or grates therefor}
- F24C 15/108 .. {Mounting of hot plate on worktop}

**WARNING**

F24C 15/108

(continued)

Group [F24C 15/108](#) is not complete, pending reclassification. See also [F24C 15/10](#)

- F24C 15/12 . Side rests; Side plates; Cover lids; Splash guards; Racks outside ovens, e.g. for drying plates
- F24C 15/14 . Spillage trays or grooves
- F24C 15/16 . Shelves, racks, {rotisserie spits,} or trays inside ovens; Supports therefor
- F24C 15/162 . . {Co-operating with a door, e.g. operated by the door}
- F24C 15/164 . . {Rotisserie spits inside ovens}
- F24C 15/166 . . {with integrated heating means}
- F24C 15/168 . . {with telescopic rail systems}
- F24C 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}
- F24C 15/20 . Removing cooking fumes (parts, details or accessories of cooking-vessels for withdrawing or condensing cooking vapours from such vessels [A47J 36/38](#))
- F24C 15/2007 . . {from oven cavities}

### **WARNING**

Groups [F24C 15/2007](#), [F24C 15/2014](#), [F24C 15/2028-F24C 15/2092](#) are not complete, pending reclassification. See also [F24C 15/20](#)

- F24C 15/2014 . . . {with means for oxidation of cooking fumes}
- F24C 15/2021 . . {Arrangement or mounting of control or safety systems}
- F24C 15/2028 . . {using an air curtain}
- F24C 15/2035 . . {Arrangement or mounting of filters ([F24C 15/2021](#) takes precedence; filters per se [B01D 46/00](#))}
- F24C 15/2042 . . {Devices for removing cooking fumes structurally associated with a cooking range ([F24C 15/2007](#) takes precedence)}
- F24C 15/205 . . . {with means for oxidation of cooking fumes}
- F24C 15/2057 . . {using a cleaning liquid}
- F24C 15/2064 . . {illumination for cooking hood}
- F24C 15/2071 . . {mounting of cooking hood}
- F24C 15/2078 . . {movable}
- F24C 15/2085 . . . {adjustable in height}
- F24C 15/2092 . . . {extendable or pivotable}
- F24C 15/22 . Reflectors for radiation heaters
- F24C 15/24 . Radiant bodies or panels for radiation heaters (gas burners for producing infra-red radiation [F23D 14/12](#))
- F24C 15/26 . Handles for carrying
- F24C 15/28 . Draught shields
- F24C 15/30 . Arrangements for mounting stoves or ranges in particular locations
- F24C 15/32 . Arrangements of ducts for hot gases, e.g. in or around baking ovens
- F24C 15/322 . . {with forced circulation}

- F24C 15/325 . . . {electrically-heated}
- F24C 15/327 . . . {with air moisturising}
- F24C 15/34 . Elements and arrangements for heat storage or insulation
- F24C 15/36 . Protective guards, e.g. for preventing access to heated parts