

**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 7/08B](#)

- 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 1/04](#))**

**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](#), [E05E](#))}

F24C 15/024            ... {Handles (in general [E05B](#))}

F24C 15/025            .. { with air curtain closures}

### **WARNING**

Groups [F24C 15/02D-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 15/08A-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**
- 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 15/20A](#), [F24C 15/2014](#), [F24C 15/20C](#)-[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