

**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](#) )

**Guidance heading:****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 1/00](#))

**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 15/02D-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