

**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 1/00](#) )

**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, { [roisserie 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