

## ECLA EUROPEAN CLASSIFICATION

### F24C OTHER DOMESTIC STOVES OR RANGES; DETAILS OF DOMESTIC STOVES OR RANGES, OF GENERAL APPLICATION (radiator stoves of the fluid-circulating type F24H)

**F24C1/00** 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 [F24C3/00](#) to [F24C9/00](#); Stoves or ranges in which the type of fuel or energy supply is not specified

- F24C1/02 . adapted for the use of two or more kinds of fuel or energy supply ([F24C1/16](#) takes precedence; combinations of two or more stoves or ranges each having a different kind of fuel or energy supply [F24C11/00](#))
- F24C1/04 . . simultaneously
- F24C1/06 . . by replacing parts, e.g. replacing burner by electric heater
- F24C1/08 . solely adapted for radiation heating ([F24C1/16](#) takes precedence)
- F24C1/10 . . with reflectors
- F24C1/12 . . . of circular shape
- F24C1/14 . Radiation heating stoves and ranges with additional provision for convection heating ([F24C1/02](#), [F24C1/16](#) take precedence; solely adapted for convection heating [F24H](#))
- F24C1/16 . with special adaptation for travelling, e.g. collapsible

### F24C3/00 Stoves and ranges for gaseous fuels

- F24C3/00A . [N: Stoves]
- F24C3/00A1 . . [N: of the closed type]
- F24C3/00A2 . . [N: simulating flames]
- F24C3/00B . [N: Ranges]
- F24C3/02 . with heat produced solely by flame ([F24C3/14](#) takes precedence)
- F24C3/02A . . [N: Stoves]
- F24C3/02A1 . . . [N: of the closed type]
- F24C3/02B . . [N: Ranges]
- F24C3/04 . with heat produced wholly or partly by a radiant body, e.g. by a perforated plate ([F24C3/14](#) takes precedence)
- F24C3/04A . . [N: Stoves]
- F24C3/04A1 . . . [N: of the closed type]
- F24C3/04B . . [N: Ranges]
- F24C3/06 . . without any visible flame
- F24C3/06A . . . [N: stoves]
- F24C3/06A1 . . . . [N: of the closed type]

- F24C3/06B . . . [N: Ranges]
- F24C3/08 . Arrangement or mounting of burners (burners per se [F23D](#))
- F24C3/08A . . [N: on stoves]
- F24C3/08B . . [N: on ranges]
- F24C3/08B2 . . . [N: in baking ovens]
- F24C3/10 . Arrangement or mounting of ignition devices (ignition devices per se [F23Q](#))
- F24C3/10B . . [N: of electric ignition devices]
- F24C3/10D . . [N: of flash tubes]
- F24C3/12 . Arrangement for mounting of control and safety devices (control valves [F16K](#); safety devices for burners [F23D](#); regulating or controlling combustion [F23N](#))
- F24C3/12A . . [N: on stoves] [N1204]
- F24C3/12B . . [N: Control panels]
- F24C3/12F . . [N: on ranges]
- F24C3/12F2 . . . [N: in baking ovens]
- F24C3/14 . with special adaptation for travelling e.g. collapsible

#### **F24C5/00 Stoves and ranges for liquid fuels**

- F24C5/02 . with evaporation burners, e.g. dish type ([F24C5/20](#) takes precedence)
- F24C5/04 . . wick type
- F24C5/06 . . . adjustable
- F24C5/08 . . with heat produced wholly or partly by a radiant body
- F24C5/10 . with atomising burners ([F24C5/20](#) takes precedence)
- F24C5/12 . Arrangement or mounting of burners (burners per se [F23D](#))
- F24C5/14 . Arrangement or mounting of ignition devices (ignition devices per se [F23Q](#))
- F24C5/16 . Arrangement and mounting of control and safety devices (control valves [F16K](#); safety devices for burners [F23D](#); regulating or controlling combustion [F23N](#))
- F24C5/18 . Liquid-fuel supply arrangements forming parts of stoves or ranges (feeding liquid fuel to combustion apparatus in general [F23K](#))
- F24C5/20 . with special adaptation for travelling, e.g. collapsible

#### **F24C7/00 Stoves or ranges heated by electrical energy (electric heating elements or arrangements [H05B](#))**

- F24C7/00A . [N: Stoves ([F24C7/02](#) to [F24C7/10](#) take precedence)]
- F24C7/00A2 . . [N: simulating flames]
- F24C7/00C . [N: using electrically heated liquids]

- F24C7/00C2 . . [N: using electrode heaters]
- F24C7/02 . using microwaves (heating using microwaves in general [H05B6/64](#))
- F24C7/04 . with heat radiated directly from the heating element ([F24C7/10](#) takes precedence)
- F24C7/04B . . [N: Stoves]
- F24C7/04C . . [N: Ranges] [N1204]
- [N: **WARNING**  
Group [F24C7/04C](#) is not complete, pending reorganisation. See also [F24C7/04](#)  
]
- F24C7/06 . Arrangement or mounting of electric heating elements
- F24C7/06B . . [N: on stoves]
- F24C7/06B2 . . . [N: with reflectors (reflectors per se [F24C15/22](#))]
- F24C7/06C . . [N: on ranges][N: **WARNING** Group [F24C7/06C](#) is not complete, pending reorganisation. See also [F24C7/06](#) [N1204]
- [N: **WARNING**  
Group [F24C7/06C](#) is not complete, pending reorganisation. See also [F24C7/06](#)  
]
- F24C7/08 . Arrangement or mounting of control or safety devices (switches [H01H](#); circuit arrangements for electric heating [H05B](#))
- F24C7/08A . . [N: on stoves]
- F24C7/08B . . [N: on ranges, e.g. control panels, illumination] [N1204]
- F24C7/08B1 . . . [N: on tops, hot plates] [N1204]
- [N: **WARNING**  
Groups [F24C7/08B1](#), [F24C7/08B2](#), [F24C7/08B5](#) are not complete, pending reclassification. See also [F24C7/08B](#)  
]
- F24C7/08B2 . . . [N: on baking ovens] [N1204]
- F24C7/08B5 . . . [N: touch control] [N1204]
- F24C7/08C . . [N: of electric circuits regulating heat]
- F24C7/08C2 . . . [N: on stoves]
- F24C7/10 . with special adaptation for travelling, e.g. collapsible
- F24C7/10B . . [N: Stoves]
- F24C9/00** **Stoves or ranges heated by a single type of energy supply not covered by groups [F24C3/00](#) to [F24C7/00](#) or [F24B](#) (using the heat from an exothermal reaction not involving a supply of free oxygen gas, [N: using special gaseous fuel e.g. acetylene, hydrogen,] using solar energy [F24J](#))**
- F24C11/00** **Combinations of two or more stoves or ranges, e.g. each having a different kind of energy supply**
- F24C13/00** **Stoves or ranges with additional provisions for heating water (mounting arrangements of water heaters or water-heating elements [F24H1/04](#))**

- F24C14/00**                    **Stoves or ranges having self-cleaning provisions, e.g. continuous or catalytic cleaning, electrostatic cleaning [N9601]**
- F24C14/00B                . [N: using a cleaning liquid] [N1204]
- F24C14/02                . pyrolytic type [N9601]
- F24C14/02B              . . [N: for gaseous fuels] [N9707]
- F24C15/00**                    **Details**
- F24C15/00A              . [N: arrangements for discharging combustion gases]
- F24C15/00A1             . . [N: for stoves of the closed type]
- F24C15/00B              . [N: moisturising of air]
- F24C15/00C              . [N: Windows not in a door]
- F24C15/00D              . [N: Coatings for ovens]
- F24C15/00F              . [N: Arrangements for circulation of cooling air] [N1204]
- F24C15/00G              . [N: Removable panels]
- F24C15/00H              . [N: Illumination for oven cavities]
- F24C15/02                . Doors specially adapted for stoves or ranges (in general [E06B](#); for combustion chambers [F23M](#))
- F24C15/02A              . . [N: sealings for doors or transparent panels (sealings for wings in general [E06B7/16](#))]
- F24C15/02B              . . [N: Latches (in general [E05C](#))]
- F24C15/02B2             . . . [N: Mounting of doors, e.g. hinges, counterbalancing (in general [E05D](#), [E05E](#))]
- F24C15/02B3             . . . [N: Handles (in general [E05B](#))]
- F24C15/02D              . . [N: with air curtain closures] [N1204]
- [N: **WARNING**  
Groups [F24C15/02D](#)-[F24C15/02M](#) are not complete, pending reclassification. See also [F24C15/02](#)  
]
- F24C15/02E              . . [N: stowing of door in open position] [N1204]
- F24C15/02G              . . [N: located at bottom side of housing] [N1204]
- F24C15/02M              . . [N: Stoves doors] [N1204]
- F24C15/04                . . with transparent panels
- F24C15/04B              . . . [N: being dismountable, e.g. giving access for cleaning] [N0703]
- F24C15/06                . Ornamental features, e.g. grate front, surround
- F24C15/08                . Foundations or supports plates; legs or pillars; Casings; Wheels ([F24C15/10](#) takes precedence)

- F24C15/08A
  - . . [N: Anti-tip arrangements] [N1204]
  - [N: **WARNING**  
Groups [F24C15/08A-F24C15/08B](#) are not complete, pending reclassification. See also [F24C15/08](#) ]
- F24C15/08B
  - . . [N: Adjustable legs or pillars] [N1204]
- F24C15/10
  - . Tops, e.g. hot plate; Rings ([F24C15/12](#), [F24C15/14](#) take precedence)
- F24C15/10B
  - . . [N: provisions for circulation of air]
- F24C15/10C
  - . . [N: electrically heated]
- F24C15/10C1
  - . . . [N: being movable or rotatable] [N0703]
- F24C15/10C2
  - . . . [N: Arrangements of connectors, grounding, supply wires]
- F24C15/10C3
  - . . . [N: Constructive details concerning the regulation of the temperature ]
- F24C15/10C4
  - . . . [N: electric circuits]
- F24C15/10D
  - . . [N: Pan supports or grates therefor] [N0703]
- F24C15/10M
  - . . [N: Mounting of hot plate on worktop] [N1204]
  - [N: **WARNING**  
Group [F24C15/10M](#) is not complete, pending reclassification. See also [F24C15/10](#) ]
- F24C15/12
  - . Side rests; Side plates; Cover lids; Splash guards; Racks outside ovens, e.g. for drying plates
- F24C15/14
  - . Spillage trays or grooves
- F24C15/16
  - . Shelves, racks, [N: rotisserie spits,] or trays inside ovens; Supports therefor [C0703]
- F24C15/16B
  - . . [N: Co-operating with a door, e.g. operated by the door]
- F24C15/16C
  - . . [N: Rotisserie spits inside ovens] [N0703]
- F24C15/16D
  - . . [N: with integrated heating means] [N0703]
- F24C15/16F
  - . . [N: with telescopic rail systems] [N0703]
- F24C15/18
  - . 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 [N: additional cooking arrangements on stoves]
- F24C15/20
  - . Removing cooking fumes (parts, details or accessories of cooking-vessels for withdrawing or condensing cooking vapours from such vessels [A47J36/38](#))
- F24C15/20A
  - . . [N: from oven cavities] [N1204]
  - [N: **WARNING**  
Groups [F24C15/20A](#), [F24C15/20A2](#), [F24C15/20C-F24C15/20N2](#) are not complete, pending reclassification. See also [F24C15/20](#) ]
- F24C15/20A2
  - . . . [N: with means for oxidation of cooking fumes] [N1204]
- F24C15/20B
  - . . [N: Arrangement or mounting of control or safety systems] [N1204]
- F24C15/20C
  - . . [N: using an air curtain] [N1204]
- F24C15/20D
  - . . [N: Arrangement or mounting of filters (F24C15/20B takes precedence; filters per se B01D46/00)] [N1204]

- F24C15/20F . . [N: Devices for removing cooking fumes structurally associated with a cooking range (F24C15/20A takes precedence)] [N1204]
- F24C15/20F2 . . . [N: with means for oxidation of cooking fumes]
- F24C15/20G . . [N: using a cleaning liquid] [N1204]
- F24C15/20H . . [N: illumination for cooking hood] [N1204]
- F24C15/20M . . [N: mounting of cooking hood] [N1204]
- F24C15/20N . . [N: movable] [N1204]
- F24C15/20N1 . . . [N: adjustable in height] [N1204]
- F24C15/20N2 . . . [N: extendable or pivotable] [N1204]
  
- F24C15/22 . Reflectors for radiation heaters
  
- F24C15/24 . Radiant bodies or panels for radiation heaters (gas burners for producing infra-red radiation F23D14/12) [N1204]
  
- F24C15/26 . Handles for carrying
  
- F24C15/28 . Draught shields
  
- F24C15/30 . Arrangements for mounting stoves or ranges in particular locations
  
- F24C15/32 . Arrangements of ducts for hot gases, e.g. in or around baking ovens
- F24C15/32B . . [N: with forced circulation]
- F24C15/32B2 . . . [N: electrically-heated] [N9601]
- F24C15/32B4 . . . [N: with air moisturising] [N9601]
  
- F24C15/34 . Elements and arrangements for heat storage or insulation
  
- F24C15/36 . Protective guards, e.g. for preventing access to heated parts