

ECLA**EUROPEAN CLASSIFICATION****F24B****DOMESTIC STOVES OR RANGES FOR SOLID FUELS****F24B1/00****Stoves or ranges**

- F24B1/00B . [N: on which a removable cooking element is arranged]
- F24B1/00C . [N: incorporating a catalytic combustor]
- F24B1/02 . Closed stoves
- F24B1/02B . . [N: easily collapsible or easily removable]
- F24B1/02D . . [N: for pulverulent fuels]
- F24B1/02F . . [N: with several combustion zones]
- F24B1/02G . . [N: with means for regulating combustion]
- F24B1/04 . . built-up from glazed tiles ([F24B1/08](#), [F24B1/14](#) take precedence)
- F24B1/06 . . . Construction of tiles and bracing means therefor, e.g. shim liner ([forming of tiles B28B](#); [glazing of tiles C04B](#))
- F24B1/08 . . with fuel storage in a single undivided hopper within stove or range
- F24B1/10 . . . with combustion in horizontal direction ([F24B1/14](#) takes precedence)
- F24B1/14 . . . with pre-distillation in the hopper
- F24B1/16 . . with fuel storage in multiple or divided hoppers within the stove or range
- F24B1/18 . Stoves with open fires, e.g. fireplaces
- F24B1/18D . . [N: adapted for the use of both solid fuel and another type of fuel or energy supply ([for stoves F24C1/02](#))]
- F24B1/18G . . [N: Reverse-draught fireplaces]
- F24B1/18H . . [N: Mounting of closed stoves in a fireplace]
- F24B1/18K . . [N: Simulated fireplaces]
- F24B1/181 . . Free-standing fireplaces, e.g. for mobile homes; [N: Fireplaces convertible into stoves]
- F24B1/182 . . with additional provisions for cooking ([other stoves with additional provisions for cooking F24B1/26](#))
- F24B1/183 . . with additional provisions for heating water
- F24B1/185 . . with air-handling means, heat exchange means, or additional provisions for convection heating ([F24B1/183](#) takes precedence; [component parts or accessories having air-handling means, heat exchange means, or additional provisions for convection heating F24B1/191](#)); Regulating combustion; Controls therefor
- F24B1/187 . . . Condition responsive controls for regulating combustion ([valves or dampers for air supply F23L](#); [regulating or controlling combustion F23N](#); [controlling or regulating in general G05](#))
- F24B1/187B [N: combined with extinguishing devices]
- F24B1/188 . . . characterised by use of heat exchange means, [N: e.g. using a particular heat exchange medium, e.g. oil, gas] ([F24B1/187](#) takes precedence)
- F24B1/188B [N: the heat exchange medium being either water or air]

- F24B1/188D [N: the heat exchange medium being both water and air]
- F24B1/188F [N: the heat exchange medium being air only]
- F24B1/188F2 [N: the heat exchanger comprising only tubular air ducts within the fire]
- F24B1/188F3 [N: with forced circulation]
- F24B1/189 . . . characterised by air-handling means, i.e. of combustion-air, heated-air, or flue-gases, e.g. draught control dampers ([F24B1/187](#), [F24B1/188](#) take precedence)
- F24B1/189B [N: flue-gas control dampers]
- F24B1/19 Supplying combustion-air
- F24B1/19B [N: in combination with provisions for heating air only]
- F24B1/19D [N: in combination with provisions for heating water only]
- F24B1/19F [N: in combination with provisions for heating both air and water]
- F24B1/191 . . Component parts; Accessories
- F24B1/191B . . . [N: Means for removing ash]
- F24B1/192 . . . Doors; Screens; Fuel guards [N: fire-screens [A47G5/04](#), protective guards [F24C15/36](#)]
- F24B1/193 . . . Grates; Irons
- F24B1/195 . . . Fireboxes; Frames; Hoods; heat reflectors
- F24B1/195B [N: Multiple fire-boxes]
- F24B1/195D [N: Hoods]
- F24B1/195F [N: Heat reflectors]
- F24B1/197 . . . Hearths
- F24B1/198 . . . Surrounds-fronts
- F24B1/199 . . . Fuel-handling equipment

- F24B1/20 . Ranges
- F24B1/20B . . [N: specially adapted for travelling]
- F24B1/20B2 . . . [N: collapsible]
- F24B1/20B3 . . . [N: movable]
- F24B1/22 . . in which the baking oven is arranged above the fire-box
- F24B1/24 . . with built-in masses for heat storage or heat insulation

- F24B1/26 . Stoves with additional provisions for cooking (stoves with open-fires with additional provisions for cooking [F24B1/182](#))

- F24B1/28 . Combined installations of stoves or ranges, e.g. back-to-back stoves with a common fire-box

- F24B3/00** **Heaters not covered by group [F24B1/00](#), e.g. charcoal brazier (for cooking [A47J27/00](#) to [A47J37/00](#))**

- F24B5/00** **Combustion-air or flue-gas circulation in or around stoves or ranges (stoves with open fires with air-handling means [F24B1/185](#))**

- F24B5/02 . in or around stoves

- F24B5/02B . . [N: combustion-air circulation (regulating combustion [F23N](#); air supply for combustion apparatus [F23L](#))]
- F24B5/02B2 . . . [N: Supply of primary air for combustion]
- F24B5/02B3 . . . [N: Supply of secondary air for completing combustion of fuel]
- F24B5/02B4 . . . [N: Supply of primary and secondary air for combustion]
- F24B5/02D . . [N: Arrangements combining combustion-air and flue-gas circulation]
- F24B5/04 . . the air or gas passing downwards through the bottom of the stove of fire grate

- F24B5/06 . in or around ranges
- F24B5/08 . . around the baking oven
- F24B5/08B . . . [N: several ovens]
- F24B5/08D . . . [N: the oven in arranged under the fire-box]
- F24B5/08F . . . [N: Regulable circulation]

- F24B7/00** **Stoves, ranges or flue-gas ducts, with additional provisions for convection heating**
(stoves with open fires characterised by use of heat exchange means [F24B1/185](#); air heaters having heat generating means [F24H3/00](#))

- F24B7/00B . [N: Ranges]
- F24B7/00D . [N: Flue-gas ducts]
- F24B7/00F . [N: Stoves or ranges with additional provisions for heating both air and water]

- F24B7/02 . with external air ducts
- F24B7/02D . . [N: with forced circulation]

- F24B7/04 . with internal air ducts
- F24B7/04D . . [N: with forced circulation]

- F24B7/06 . without air ducts [N: no material]

- F24B9/00** **Stoves, ranges or flue-gas ducts, with additional provisions for heating water**
([F24B1/182](#), [F24B1/183](#) take precedence)

- F24B9/00B . [N: Ranges]
- F24B9/00D . [N: flue-gas ducts]

- F24B9/02 . in open containers, e.g. bain-marie
- F24B9/04 . in closed containers

- F24B13/00** **Details solely applicable to stoves or ranges burning solid fuels** (component parts or accessories for stoves with open-fires [F24B1/191](#); removing ash, clinker or slag from combustion chambers [F23J1/00](#); removing solid residues from passages or chambers beyond the fire [F23J3/00](#); joints or connections for chimneys or flues [F23J13/04](#); mouths or inlet holes for chimneys or flues [F23J13/06](#); means for supervising combustion [F23M11/04](#))

- F24B13/00B . [N: Surrounds]
- F24B13/00D . [N: Doors specially adapted for stoves or ranges (doors for open fires [F24B1/192](#))]
- F24B13/00F . [N: Arrangements for cleaning, e.g. soot removal; Ash removal] [N9604]
- F24B13/00F2 . . [N: Ash containers] [N9604]
- F24B13/02 . Arrangement or mountings of fire-grate assemblies ([grates F23H](#)); Arrangement or mountings of linings for fire-boxes, e.g. fire-back ([ceramic materials C04B33/00](#), [C04B35/00](#); casings, linings, walls for combustion chambers [F23M](#))
- F24B13/04 . Arrangements for feeding solid fuel, e.g. hoppers ([feeding solid fuel to combustion apparatus in general F23K](#))
- F24B15/00** **Implements for use in connection with stoves or ranges** ([ash sieves \[N: in general\] B07B](#); [fire lighters C10L11/00](#); [removal of ashes F23J](#); [other devices for igniting F23Q](#)) [N9601]
- F24B15/00A . [N: Scratchers or pokers] [N9606]
- F24B15/00B . [N: Igniting devices; Fire-igniting fans ([bellows F04B45/02](#); [gas pokers F23Q13/02](#))] [N9606]
- F24B15/00C . [N: Ash-sifters] [N9606]
- F24B15/02 . for breaking coal [N9601]
- F24B15/04 . Coal hods; Coal boxes [N9601]
- F24B15/06 . Shovels with ejectors [N9601]
- F24B15/08 . Shovels with sifters [N9601]
- F24B15/10 . Coal tongs [N9601]