

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

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| F24B5/02B | <ul style="list-style-type: none"> <ul style="list-style-type: none"> [N: combustion-air circulation (regulating combustion F23N; air supply for combustion apparatus F23L)] |
| F24B5/02B2 | <ul style="list-style-type: none"> <ul style="list-style-type: none"> <ul style="list-style-type: none"> [N: Supply of primary air for combustion] |
| F24B5/02B3 | <ul style="list-style-type: none"> <ul style="list-style-type: none"> <ul style="list-style-type: none"> [N: Supply of secondary air for completing combustion of fuel] |
| F24B5/02B4 | <ul style="list-style-type: none"> <ul style="list-style-type: none"> <ul style="list-style-type: none"> [N: Supply of primary and secondary air for combustion] |
| F24B5/02D | <ul style="list-style-type: none"> <ul style="list-style-type: none"> [N: Arrangements combining combustion-air and flue-gas circulation] |
| F24B5/04 | <ul style="list-style-type: none"> <ul style="list-style-type: none"> the air or gas passing downwards through the bottom of the stove or fire grate |
| F24B5/06 | <ul style="list-style-type: none"> <ul style="list-style-type: none"> in or around ranges |
| F24B5/08 | <ul style="list-style-type: none"> <ul style="list-style-type: none"> around the baking oven |
| F24B5/08B | <ul style="list-style-type: none"> <ul style="list-style-type: none"> <ul style="list-style-type: none"> [N: several ovens] |
| F24B5/08D | <ul style="list-style-type: none"> <ul style="list-style-type: none"> <ul style="list-style-type: none"> [N: the oven is arranged under the fire-box] |
| F24B5/08F | <ul style="list-style-type: none"> <ul style="list-style-type: none"> <ul style="list-style-type: none"> [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 | <ul style="list-style-type: none"> [N: Ranges] |
| F24B7/00D | <ul style="list-style-type: none"> [N: Flue-gas ducts] |
| F24B7/00F | <ul style="list-style-type: none"> [N: Stoves or ranges with additional provisions for heating both air and water] |
| F24B7/02 | <ul style="list-style-type: none"> with external air ducts |
| F24B7/02D | <ul style="list-style-type: none"> <ul style="list-style-type: none"> [N: with forced circulation] |
| F24B7/04 | <ul style="list-style-type: none"> with internal air ducts |
| F24B7/04D | <ul style="list-style-type: none"> <ul style="list-style-type: none"> [N: with forced circulation] |
| F24B7/06 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> [N: Ranges] |
| F24B9/00D | <ul style="list-style-type: none"> [N: flue-gas ducts] |
| F24B9/02 | <ul style="list-style-type: none"> in open containers, e.g. bain-marie |
| F24B9/04 | <ul style="list-style-type: none"> 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]