

**CPC****COOPERATIVE PATENT CLASSIFICATION****F24B****DOMESTIC STOVES OR RANGES FOR SOLID FUELS****F24B 1/00****Stoves or ranges**

F24B 1/003

. {on which a removable cooking element is arranged}

F24B 1/006

. {incorporating a catalytic combustor}

F24B 1/02

. Closed stoves

F24B 1/022

.. {easily collapsible or easily removable}

F24B 1/024

.. {for pulverulent fuels}

F24B 1/026

.. {with several combustion zones}

F24B 1/028

.. {with means for regulating combustion}

F24B 1/04

.. built-up from glazed tiles( [F24B 1/08](#) , [F24B 1/14](#) take precedence )

F24B 1/06

... Construction of tiles and bracing means therefor, e.g. shim liner( [forming of tiles B28B](#) ; [glazing of tiles C04B](#) )

F24B 1/08

.. with fuel storage in a single undivided hopper within stove or range

F24B 1/10

... with combustion in horizontal direction( [F24B 1/14](#) takes precedence )

F24B 1/14

... with pre-distillation in the hopper

F24B 1/16

.. with fuel storage in multiple or divided hoppers within the stove or range

F24B 1/18

. Stoves with open fires, e.g. fireplaces

F24B 1/1802

.. {adapted for the use of both solid fuel and another type of fuel or energy supply( for stoves [F24C 1/02](#) )}

F24B 1/1804

.. {Reverse-draught fireplaces}

F24B 1/1806

.. {Mounting of closed stoves in a fireplace}

F24B 1/1808

.. {Simulated fireplaces}

F24B 1/181

.. Free-standing fireplaces, e.g. for mobile homes;{[Fireplaces convertible into stoves](#)}

F24B 1/182

.. with additional provisions for cooking( [other stoves with additional provisions for cooking F24B 1/26](#) )

F24B 1/183

.. with additional provisions for heating water

F24B 1/185

.. with air-handling means, heat exchange means, or additional provisions for convection heating( [F24B 1/183](#) takes precedence; [component parts or accessories having air-handling means, heat exchange means, or additional provisions for convection heating F24B 1/191](#) ); [Regulating combustion](#); [Controls therefor](#)

F24B 1/187

... Condition responsive controls for regulating combustion( [valves or dampers for air supply F23L](#) ; [regulating or controlling combustion F23N](#) ; [controlling or regulating in general G05](#) )

F24B 1/1875

.... {combined with [extinguishing devices](#)}

F24B 1/188

... characterised by use of heat exchange means,{e.g. [using a particular heat exchange medium, e.g. oil, gas](#)}( [F24B 1/187](#) takes precedence )

F24B 1/1881

.... {the heat exchange medium being either water or air}

F24B 1/1883

.... {the heat exchange medium being both water and air}

F24B 1/1885

.... {the heat exchange medium being air only}

F24B 1/1886	.....	{the heat exchanger comprising only tubular air ducts within the fire}
F24B 1/1888	.....	{with forced circulation}
F24B 1/189	...	characterised by air-handling means, i.e. of combustion-air, heated-air, or flue-gases, e.g. draught control dampers( <a href="#">F24B 1/187</a> , <a href="#">F24B 1/188</a> take precedence )
F24B 1/1895	....	{flue-gas control dampers}
F24B 1/19	....	Supplying combustion-air
F24B 1/1902	.....	{in combination with provisions for heating air only}
F24B 1/1905	.....	{in combination with provisions for heating water only}
F24B 1/1907	.....	{in combination with provisions for heating both air and water}
F24B 1/191	..	Component parts; Accessories
F24B 1/1915	...	{Means for removing ash}
F24B 1/192	...	Doors; Screens; Fuel guards{ fire-screens <a href="#">A47G 5/04</a> , protective guards <a href="#">F24C 15/36</a> }
F24B 1/193	...	Grates; Irons
F24B 1/195	...	Fireboxes; Frames; Hoods; heat reflectors
F24B 1/1952	....	{Multiple fire-boxes}
F24B 1/1955	....	{Hoods}
F24B 1/1957	....	{Heat reflectors}
F24B 1/197	...	Hearths
F24B 1/198	...	Surrounds-fronts
F24B 1/199	...	Fuel-handling equipment
F24B 1/20	.	Ranges
F24B 1/202	..	{specially adapted for travelling}
F24B 1/205	...	{collapsible}
F24B 1/207	...	{movable}
F24B 1/22	..	in which the baking oven is arranged above the fire-box
F24B 1/24	..	with built-in masses for heat storage or heat insulation
F24B 1/26	.	Stoves with additional provisions for cooking( stoves with open-fires with additional provisions for cooking <a href="#">F24B 1/182</a> )
F24B 1/28	.	Combined installations of stoves or ranges, e.g. back-to-back stoves with a common fire-box
<b>F24B 3/00</b>		<b>Heaters not covered by group <a href="#">F24B 1/00</a> , e.g. charcoal brazier ( for cooking <a href="#">A47J 27/00</a> to <a href="#">A47J 37/00</a> )</b>
<b>F24B 5/00</b>		<b>Combustion-air or flue-gas circulation in or around stoves or ranges( stoves with open fires with air-handling means <a href="#">F24B 1/185</a> )</b>
F24B 5/02	.	in or around stoves
F24B 5/021	..	{combustion-air circulation( regulating combustion <a href="#">F23N</a> ; air supply for combustion apparatus <a href="#">F23L</a> )}
F24B 5/023	...	{Supply of primary air for combustion}
F24B 5/025	...	{Supply of secondary air for completing combustion of fuel}

F24B 5/026	... {Supply of primary and secondary air for combustion}
F24B 5/028	.. {Arrangements combining combustion-air and flue-gas circulation}
F24B 5/04	.. the air or gas passing downwards through the bottom of the stove or fire grate
F24B 5/06	. in or around ranges
F24B 5/08	.. around the baking oven
F24B 5/082	... {several ovens}
F24B 5/085	... {the oven is arranged under the fire-box}
F24B 5/087	... {Regulable circulation}
<b>F24B 7/00</b>	<b>Stoves, ranges or flue-gas ducts, with additional provisions for convection heating(</b> stoves with open fires characterised by use of heat exchange means <a href="#">F24B 1/185</a> ; air heaters having heat generating means <a href="#">F24H 3/00</a> )
F24B 7/002	. {Ranges}
F24B 7/005	. {Flue-gas ducts}
F24B 7/007	. {Stoves or ranges with additional provisions for heating both air and water}
F24B 7/02	. with external air ducts
F24B 7/025	.. {with forced circulation}
F24B 7/04	. with internal air ducts
F24B 7/045	.. {with forced circulation}
F24B 7/06	. without air ducts{no material}
<b>F24B 9/00</b>	<b>Stoves, ranges or flue-gas ducts, with additional provisions for heating water(</b> <a href="#">F24B 1/182</a> , <a href="#">F24B 1/183</a> take precedence )
F24B 9/003	. {Ranges}
F24B 9/006	. {flue-gas ducts}
F24B 9/02	. in open containers, e.g. bain-marie
F24B 9/04	. in closed containers
<b>F24B 13/00</b>	<b>Details solely applicable to stoves or ranges burning solid fuels( component parts</b> or accessories for stoves with open-fires <a href="#">F24B 1/191</a> ; removing ash, clinker or slag from combustion chambers <a href="#">F23J 1/00</a> ; removing solid residues from passages or chambers beyond the fire <a href="#">F23J 3/00</a> ; joints or connections for chimneys or flues <a href="#">F23J 13/04</a> ; mouths or inlet holes for chimneys or flues <a href="#">F23J 13/06</a> ; means for supervising combustion <a href="#">F23M 11/04</a> )
F24B 13/002	. {Surrounds}
F24B 13/004	. {Doors specially adapted for stoves or ranges( doors for open fires <a href="#">F24B 1/192</a> )}
F24B 13/006	. {Arrangements for cleaning, e.g. soot removal; Ash removal}
F24B 13/008	.. {Ash containers}
F24B 13/02	. Arrangement or mountings of fire-grate assemblies( <a href="#">grates F23H</a> ); Arrangement or mountings of linings for fire-boxes, e.g. fire-back( <a href="#">ceramic materials C04B 33/00</a> , <a href="#">C04B 35/00</a> ; casings, linings, walls for combustion chambers <a href="#">F23M</a> )
F24B 13/04	. Arrangements for feeding solid fuel, e.g. hoppers( <a href="#">feeding solid fuel to combustion</a> <a href="#">apparatus in general F23K</a> )

<b>F24B 15/00</b>	<b>Implements for use in connection with stoves or ranges</b> (ash sieves{in general} <a href="#">B07B</a> ; fire lighters <a href="#">C10L 11/00</a> ; removal of ashes <a href="#">F23J</a> ; other devices for igniting <a href="#">F23Q</a> )
<a href="#">F24B 15/002</a>	. {Scratchers or pokers}
<a href="#">F24B 15/005</a>	. {Igniting devices; Fire-igniting fans( bellows <a href="#">F04B 45/02</a> ; gas pokers <a href="#">F23Q 13/02</a> )}
<a href="#">F24B 15/007</a>	. {Ash-sifters}
<a href="#">F24B 15/02</a>	. for breaking coal
<a href="#">F24B 15/04</a>	. Coal hods; Coal boxes
<a href="#">F24B 15/06</a>	. Shovels with ejectors
<a href="#">F24B 15/08</a>	. Shovels with sifters
<a href="#">F24B 15/10</a>	. Coal tongs