

# CPC COOPERATIVE PATENT CLASSIFICATION

## F MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING (NOTE omitted)

### LIGHTING; HEATING

#### F24 HEATING; RANGES; VENTILATING (NOTE omitted)

#### F24C DOMESTIC STOVES OR RANGES (exclusively for solid fuels F24B); DETAILS OF DOMESTIC STOVES OR RANGES, OF GENERAL APPLICATION

##### WARNING

{In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.}

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| <p><b>1/00</b> 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 <a href="#">F24C 3/00</a> - <a href="#">F24C 9/00</a>; Stoves or ranges in which the type of fuel or energy supply is not specified</p> <p>1/02 . adapted for the use of two or more kinds of fuel or energy supply (combinations of two or more stoves or ranges each having a different kind of fuel or energy supply <a href="#">F24C 11/00</a>)</p> <p>1/04 . . simultaneously</p> <p>1/06 . . by replacing parts, e.g. replacing burners by electric heaters</p> <p>1/08 . solely adapted for radiation heating</p> <p>1/10 . . with reflectors</p> <p>1/12 . . . of circular shape</p> <p>1/14 . Radiation heating stoves and ranges, with additional provision for convection heating</p> <p>1/16 . with special adaptation for travelling, e.g. collapsible</p> <p><b>3/00</b> Stoves or ranges for gaseous fuels (stoves or ranges specially adapted for the use of two or more kinds of fuel or energy supply <a href="#">F24C 1/02</a>)</p> <p>3/002 . {Stoves}</p> <p>3/004 . . {of the closed type}</p> <p>3/006 . . {simulating flames}</p> <p>3/008 . {Ranges}</p> <p>3/02 . with heat produced solely by flame</p> <p>3/022 . . {Stoves}</p> <p>3/025 . . . {of the closed type}</p> <p>3/027 . . {Ranges}</p> <p>3/04 . with heat produced wholly or partly by a radiant body, e.g. by a perforated plate</p> <p>3/042 . . {Stoves}</p> <p>3/045 . . . {of the closed type}</p> <p>3/047 . . {Ranges}</p> <p>3/06 . . without any visible flame</p> <p>3/062 . . . {stoves}</p> <p>3/065 . . . . {of the closed type}</p> <p>3/067 . . . {Ranges}</p> <p>3/08 . Arrangement or mounting of burners</p> <p>3/082 . . {on stoves}</p> <p>3/085 . . {on ranges}</p> | <p>3/087 . . . {in baking ovens}</p> <p>3/10 . Arrangement or mounting of ignition devices</p> <p>3/103 . . {of electric ignition devices}</p> <p>3/106 . . {of flash tubes}</p> <p>3/12 . Arrangement or mounting of control or safety devices</p> <p>3/122 . . {on stoves}</p> <p>3/124 . . {Control panels}</p> <p>3/126 . . {on ranges}</p> <p>3/128 . . . {in baking ovens}</p> <p>3/14 . with special adaptation for travelling, e.g. collapsible</p> <p><b>5/00</b> Stoves or ranges for liquid fuels (stoves or ranges specially adapted for the use of two or more kinds of fuel or energy supply <a href="#">F24C 1/02</a>)</p> <p>5/02 . with evaporation burners, e.g. dish type</p> <p>5/04 . . wick type</p> <p>5/06 . . . adjustable</p> <p>5/08 . . with heat produced wholly or partly by a radiant body</p> <p>5/10 . with atomising burners</p> <p>5/12 . Arrangement or mounting of burners</p> <p>5/14 . Arrangement or mounting of ignition devices</p> <p>5/16 . Arrangement or mounting of control or safety devices</p> <p>5/18 . Liquid-fuel supply arrangements forming parts of stoves or ranges</p> <p>5/20 . with special adaptation for travelling, e.g. collapsible</p> <p><b>7/00</b> Stoves or ranges heated by electric energy (stoves or ranges specially adapted for the use of two or more kinds of fuel or energy supply <a href="#">F24C 1/02</a>)</p> <p>7/002 . {Stoves (<a href="#">F24C 7/02</a> - <a href="#">F24C 7/10</a> take precedence)}</p> <p>7/004 . . {simulating flames}</p> <p>7/006 . {using electrically heated liquids}</p> <p>7/008 . . {using electrode heaters}</p> <p>7/02 . using microwaves</p> <p>7/04 . with heat radiated directly from the heating element</p> <p>7/043 . . {Stoves}</p> <p>7/046 . . {Ranges}</p> |
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- 7/06 . Arrangement or mounting of electric heating elements
- 7/062 . . {on stoves}
- 7/065 . . . {with reflectors ([reflectors per se F24C 15/22](#))}
- 7/067 . . {on ranges}
- 7/08 . Arrangement or mounting of control or safety devices
- 7/081 . . {on stoves}
- 7/082 . . {on ranges, e.g. control panels, illumination}
- 7/083 . . . {on tops, hot plates}
- 7/085 . . . {on baking ovens}
- 7/086 . . . {touch control}
- 7/087 . . {of electric circuits regulating heat}
- 7/088 . . . {on stoves}
- 7/10 . with special adaptation for travelling, e.g. collapsible
- 7/105 . . {Stoves}
- 9/00 Stoves or ranges heated by a single type of energy supply not covered by groups [F24C 3/00](#) - [F24C 7/00](#) or subclass [F24B](#) (solar heat collectors for heating objects, e.g. solar cookers [F24S 20/30](#))**
- 11/00 Combinations of two or more stoves or ranges, e.g. each having a different kind of energy supply**
- 13/00 Stoves or ranges with additional provisions for heating water**
- 14/00 Stoves or ranges having self-cleaning provisions, e.g. continuous catalytic cleaning or electrostatic cleaning**
- 14/005 . {using a cleaning liquid}
- 14/02 . pyrolytic type
- 14/025 . . {for gaseous fuels}
- 15/00 Details**
- 15/001 . {arrangements for discharging combustion gases}
- 15/002 . . {for stoves of the closed type}
- 15/003 . {moisturising of air}
- 15/004 . {Windows not in a door}
- 15/005 . {Coatings for ovens}
- 15/006 . {Arrangements for circulation of cooling air}
- 15/007 . {Removable panels}
- 15/008 . {Illumination for oven cavities}
- 15/02 . Doors specially adapted for stoves or ranges
- 15/021 . . {sealings for doors or transparent panel}
- 15/022 . . {Latches}
- 15/023 . . {Mounting of doors, e.g. hinges, counterbalancing}
- 15/024 . . {Handles}
- 15/025 . . {with air curtain closures}
- 15/026 . . {stowing of door in open position}
- 15/027 . . {located at bottom side of housing}
- 15/028 . . {Stoves doors}
- 15/04 . . with transparent panels
- 15/045 . . . {being dismountable, e.g. giving access for cleaning}
- 15/06 . Ornamental features, e.g. grate fronts or surrounds
- 15/08 . Foundations or supports plates; Legs or pillars; Casings; Wheels ([tops, e.g. hot plates F24C 15/10](#))
- 15/083 . . {Anti-tip arrangements}
- 15/086 . . {Adjustable legs or pillars}
- 15/10 . Tops, e.g. hot plates; Rings ([cover lids or splash guards F24C 15/12](#); [spillage trays or grooves F24C 15/14](#))
- 15/101 . . {provisions for circulation of air}
- 15/102 . . {electrically heated}
- 15/103 . . . {being movable or rotatable}
- 15/104 . . . {Arrangements of connectors, grounding, supply wires}
- 15/105 . . . {Constructive details concerning the regulation of the temperature}
- 15/106 . . . {electric circuits}
- 15/107 . . {Pan supports or grates therefor}
- 15/108 . . {Mounting of hot plate on worktop}
- 15/12 . Side rests; Side plates; Cover lids; Splash guards; Racks outside ovens, e.g. for drying plates
- 15/14 . Spillage trays or grooves
- 15/16 . Shelves, racks or trays inside ovens; Supports therefor
- 15/162 . . {Co-operating with a door, e.g. operated by the door}
- 15/164 . . {Rotisserie spits inside ovens}
- 15/166 . . {with integrated heating means}
- 15/168 . . {with telescopic rail systems}
- 15/18 . Arrangement of compartments additional to cooking compartments, e.g. for warming or for storing utensils or fuel containers; Arrangement of additional heating or cooking apparatus, e.g. grills
- 15/20 . Removing cooking fumes ([parts, details or accessories of cooking-vessels for withdrawing or condensing cooking vapours from such vessels A47J 36/38](#))
- 15/2007 . . {from oven cavities}
- 15/2014 . . . {with means for oxidation of cooking fumes}
- 15/2021 . . {Arrangement or mounting of control or safety systems}
- 15/2028 . . {using an air curtain}
- 15/2035 . . {Arrangement or mounting of filters ([F24C 15/2021 takes precedence; filters per se B01D 46/00](#))}
- 15/2042 . . {Devices for removing cooking fumes structurally associated with a cooking range e.g. downdraft ([F24C 15/2007 takes precedence](#))}
- 15/205 . . . {with means for oxidation of cooking fumes}
- 15/2057 . . {using a cleaning liquid}
- 15/2064 . . {illumination for cooking hood}
- 15/2071 . . {mounting of cooking hood}
- 15/2078 . . {movable}
- 15/2085 . . . {adjustable in height}
- 15/2092 . . . {extendable or pivotable}
- 15/22 . Reflectors for radiation heaters
- 15/24 . Radiant bodies or panels for radiation heaters ([gas burners for producing infrared radiation F23D 14/12](#))
- 15/26 . Handles for carrying
- 15/28 . Draught shields
- 15/30 . Arrangements for mounting stoves or ranges in particular locations
- 15/32 . Arrangements of ducts for hot gases, e.g. in or around baking ovens
- 15/322 . . {with forced circulation}
- 15/325 . . . {electrically-heated}
- 15/327 . . . {with air moisturising}

## **F24C**

- 15/34 . Elements and arrangements for heat storage or insulation
- 15/36 . Protective guards, e.g. for preventing access to heated parts