

ECLA EUROPEAN CLASSIFICATION

F23N REGULATING OR CONTROLLING COMBUSTION (control devices specially adapted for fluidised-bed combustion apparatus [F23C10/28](#); condition responsive controls for regulating combustion in domestic stoves with open fires for solid fuel [F24B1/187](#))

F23N1/00 Regulating fuel supply

- F23N1/00B . [N: using electronic means ([F23N1/04](#) to [F23N1/10](#) take precedence)]
- F23N1/00D . [N: using electrical or electromechanical means ([F23N1/04](#) to [F23N1/10](#) take precedence)]
- F23N1/00F . [N: using mechanical means ([F23N1/04](#) to [F23N1/10](#) take precedence)]
- F23N1/02 . conjointly with air supply
- F23N1/02B . . [N: using electronic means]
- F23N1/02D . . [N: using electrical or electromechanical means]
- F23N1/02F . . [N: using mechanical means]
- F23N1/04 . conjointly with air supply and with draught
- F23N1/04B . . [N: using electronic means]
- F23N1/04D . . [N: using electrical or electromechanical means]
- F23N1/04F . . [N: using mechanical means]
- F23N1/06 . conjointly with draught
- F23N1/06B . . [N: using electronic means]
- F23N1/06D . . [N: using electrical or electromechanical means]
- F23N1/06F . . [N: using mechanical means]
- F23N1/08 . conjointly with another medium, e.g. boiler water
- F23N1/08B . . [N: using electronic means]
- F23N1/08D . . [N: using electrical or electromechanical means]
- F23N1/08F . . [N: using mechanical means]
- F23N1/10 . . and with air supply or draught
- F23N1/10B . . . [N: using electronic means]
- F23N1/10D . . . [N: using electrical or electromechanical means]
- F23N1/10F . . . [N: using mechanical means]

F23N3/00 Regulating air supply or draught (conjointly with fuel supply [F23N1/00](#))

- F23N3/00B . [N: using electronic means ([F23N3/02](#) to [F23N3/08](#) take precedence)]
- F23N3/00D . [N: using electrical or electromechanical means ([F23N3/02](#) to [F23N3/08](#) take precedence)]

- F23N3/00F . [N: using mechanical means ([F23N3/02](#) to [F23N3/08](#) take precedence)]
- F23N3/02 . Regulating draught by direct pressure operation of single valves or dampers
- F23N3/04 . by operation of single valves or dampers by temperature sensitive elements
- F23N3/04B . . [N: using electronic means]
- F23N3/04D . . [N: using electrical or electromechanical means]
- F23N3/04F . . [N: using mechanical means]
- F23N3/06 . by conjoint operation of two or more valves or dampers ([F23N3/08](#) takes precedence)
- F23N3/06F . . [N: using mechanical means]
- F23N3/08 . by power-assisted systems
- F23N3/08B . . [N: using electronic means]
- F23N3/08D . . [N: using electrical or electromechanical means]
- F23N3/08F . . [N: using mechanical means]

F23N5/00 **Systems for controlling combustion** ([F23N1/00](#), [F23N3/00](#) take precedence)

- F23N5/00B . [N: using detectors sensitive to combustion gas properties ([F23N5/02](#), [F23N5/18](#) to [F23N5/26](#) take precedence)]
- F23N5/00B2 . . [N: the detector being sensitive to oxygen]
- F23N5/02 . using devices responsive to thermal changes or to thermal expansion of a medium
- F23N5/02B . . [N: using electronic means ([F23N5/04](#) to [F23N5/14](#) take precedence)]
- F23N5/02D . . [N: using electrical or electromechanical means ([F23N5/04](#) to [F23N5/14](#) take precedence)]
- F23N5/02F . . [N: using mechanical means ([F23N5/04](#) to [F23N5/14](#) take precedence)]
- F23N5/04 . . using bimetallic elements
- F23N5/04B . . . [N: using electronic means]
- F23N5/04D . . . [N: using electrical or electromechanical means]
- F23N5/04F . . . [N: using mechanical means]
- F23N5/06 . . using bellows; using diaphragms
- F23N5/06B . . . [N: using electronic means]
- F23N5/06D . . . [N: using electrical or electromechanical means]
- F23N5/06F . . . [N: using mechanical means]
- F23N5/08 . . using light-sensitive elements
- F23N5/08B . . . [N: using electronic means]
- F23N5/08D . . . [N: using electrical or electromechanical means]
- F23N5/08F . . . [N: using mechanical means]
- F23N5/10 . . using thermocouples
- F23N5/10B . . . [N: using electronic means]
- F23N5/10D . . . [N: using electrical or electromechanical means]
- F23N5/10F . . . [N: using mechanical means e.g. safety valves]

- F23N5/12 . . using ionisation-sensitive elements, i.e. flame rods [N: (testing of other ignition means, e.g. flame [F02P17/12](#); analysing gases by investigating the ionisation by using heat [G01N27/62B](#))] [C9511]
- F23N5/12B . . . [N: using electronic means]
- F23N5/12D . . . [N: using electrical or electromechanical means]
- F23N5/14 . . using thermo-sensitive resistors
- F23N5/14B . . . [N: using electronic means]
- F23N5/14D . . . [N: using electrical or electromechanical means]
- F23N5/16 . using noise-sensitive detectors
- F23N5/18 . using detectors sensitive to rate of flow of air or fuel
- F23N5/18B . . [N: using electronic means]
- F23N5/18D . . [N: using electrical or electromechanical means]
- F23N5/18F . . [N: using mechanical means]
- F23N5/20 . with a time programme acting through electrical means, e.g. using time-delay relays
- F23N5/20B . . [N: using electronic means]
- F23N5/20D . . [N: using electrical or electromechanical means]
- F23N5/22 . with a time programme acting through mechanical means, e.g. using cams
- F23N5/24 . Preventing development of abnormal or undesired conditions, i.e. safety arrangements ([F23N5/02](#) to [F23N5/18](#) take precedence)
- F23N5/24B . . [N: using electronic means]
- F23N5/24D . . [N: using electrical or electromechanical means]
- F23N5/24F . . [N: using mechanical means]
- F23N5/26 . Details
- F23N5/26B . . [N: using electronic means]