

ECLA EUROPEAN CLASSIFICATION

F23G CREMATION FURNACES; CONSUMING WASTE PRODUCTS BY COMBUSTION

Note

This subclass covers also the burning of low-grade fuel of solid, liquid, or gaseous nature.

F23G1/00 Furnaces for cremation of human or animal carcasses

F23G5/00 Incineration of waste (of specific waste [F23G7/00](#)); Incinerator constructions; Details, accessories or control therefor

- F23G5/00B . [N: characterised by their grates ([F23G5/05](#) takes precedence)]
- F23G5/00B1 . . [N: with endless travelling grates]
- F23G5/00P . [N: General arrangement of incineration plant, e.g. flow sheets]
- F23G5/00S . [N: adapted for burning two or more kinds, e.g. liquid and solid, of waste being fed through separate inlets]
- F23G5/02 . with pretreatment
- F23G5/027 . . pyrolysing or gasifying stage (pyrolysis of sludge [C02F11/00](#); destructive distillation of carbonaceous materials [C10B53/00](#))
- F23G5/027B . . . [N: using indirect heating]
- F23G5/027C . . . [N: using direct heating]
- F23G5/033 . . comminuting or crushing
- F23G5/04 . . drying
- F23G5/05 . . . using drying grates
- F23G5/08 . having supplementary heating
- F23G5/08C . . [N: High-temperature heating means, e.g. plasma, for partly melting the waste]
- F23G5/10 . . electric
- F23G5/12 . . using gaseous or liquid fuel ([F23G5/14](#) takes precedence)
- F23G5/14 . . including secondary combustion
- F23G5/16 . . . in a separate combustion chamber
- F23G5/16B [N: arranged at a different level]
- F23G5/18 . . . in a stack
- F23G5/20 . having rotating or oscillating drums
- F23G5/22 . . the drums being conically shaped
- F23G5/24 . having a vertical, substantially cylindrical, combustion chamber
- F23G5/24B . . [N: with perforated bottom or grate]
- F23G5/26 . . having rotating bottom

- F23G5/28 . . . having raking arms
- F23G5/30 . . . having a fluidised bed
- F23G5/32 . . . the waste being subjected to a whirling movement, e.g. cyclonic incinerators
- F23G5/34 . . . the waste being burnt in a pit or arranged in a heap for combustion
- F23G5/36 . . . having a conical combustion chamber, e.g. "teepee" incinerators ([F23G5/22](#) takes precedence)
- F23G5/38 . . . Multi-hearth arrangements
- F23G5/40 . . . Portable or mobile incinerators
- F23G5/42 . . . of the basket type
- F23G5/44 . . . Details; Accessories
- F23G5/44B . . . [N: Waste feed arrangements]
- F23G5/44B1 [N: for solid waste ([F23G5/44B5](#) takes precedence)]
- F23G5/44B3 [N: for liquid waste ([F23G5/44B5](#) takes precedence)]
- F23G5/44B5 [N: in which the waste is fed in containers or the like]
- F23G5/46 . . . Recuperation of heat
- F23G5/48 . . . Preventing corrosion
- F23G5/50 . . . Control or safety arrangements

- F23G7/00** **Incinerators or other apparatus for consuming industrial waste, e.g. chemicals**
(incinerator closets [A47K11/02](#); oxidation of sludge [C02F11/06](#); burners in general, burner details [F23D](#); incinerating radioactive waste [G21F9/00](#))

- F23G7/00F . . . [N: for sludges or waste products from water treatment installations ([F23G5/00S](#) takes precedence)]

- F23G7/00G . . . [N: for used articles]
- F23G7/00G1 [N: cars, vehicles]
- F23G7/00G3 [N: wires, cables (production and refining of metals [C22B](#), e.g. from scrap to produce non-ferrous metals [C22B7/00](#); salvaging material from cables [H01B15/00C](#))]

- F23G7/00H . . . [N: for liquid waste (waste oil [F23G7/05](#), waste liquors [F23G7/04](#), sludges [F23G7/00F](#))]

- F23G7/02 . . . of bagasse, megasse or the like
- F23G7/04 . . . of waste liquors, e.g. sulfite liquors
- F23G7/05 . . . of waste oils
- F23G7/06 . . . of waste gases or noxious gases, e.g. exhaust gases (exhaust apparatus for engines with means for rendering the exhaust innocuous, e.g. by thermal or catalytic conversion, [F01N3/08](#); combustion of uncombusted material from primary combustion

- within apparatus for combustion of solid or fluent fuel F23B, [N: of non combusted material from primary combustion of solid fuels [F23B5/00](#); of gases produced by primary combustion of solid fuels [F23B90/04](#), F23C) [C1111]
- F23G7/06B . . [N: with supplementary heating]
 - F23G7/06B1 . . . [N: electric heating]
 - F23G7/06B3 . . . [N: using gaseous or liquid fuel]
 - F23G7/06B3B [N: preheating the waste gas by the heat of the combustion, e.g. recuperation type incinerator]
 - F23G7/06B3B1 [N: using regenerative heat recovery means]
 - F23G7/07 . . in which combustion takes place in the presence of catalytic material [N0605] [N: WARNING: This subgroup [IPC8] introduced in January 2006 is not complete. Documents from IPC7-based groups are in the process of being reorganised to this new group]
 - F23G7/08 . . using flares, e.g. in stacks
 - F23G7/08B . . . [N: in stacks]
 - F23G7/10 . . of field or garden waste [N: or biomasses]
 - F23G7/10A . . [N: of wood waste]
 - F23G7/12 . . of plastics, e.g. rubber
 - F23G7/14 . . of contaminated soil, e.g. by oil