

SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING

F23 COMBUSTION APPARATUS; COMBUSTION PROCESSES

F23G CREMATION FURNACES; CONSUMING WASTE OR LOW GRADE FUELS BY COMBUSTION

Subclass index

CREMATION.....	1/00
CONSUMING WASTE OR LOW-GRADE FUELS BY COMBUSTION	
Processes; Functional types of apparatus.....	5/00
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1/00 Methods or apparatus specially adapted for cremation of human or animal carcasses

5/00 Methods or apparatus, e.g. incinerators, specially adapted for combustion of waste or low-grade fuels [4]

- 5/02 • including pretreatment [4]
- 5/027 • • pyrolysing or gasifying (pyrolysis of sludge C02F 11/00; destructive distillation of carbonaceous materials C10B 53/00) [4]
- 5/033 • • comminuting or crushing [4]
- 5/04 • • drying [4]
- 5/05 • • • using drying grates [4]
- 5/08 • including supplementary heating [4]
- 5/10 • • using electric means [4]
- 5/12 • • using gaseous or liquid fuel (F23G 5/14 takes precedence) [4]
- 5/14 • • including secondary combustion [4]
- 5/16 • • • in a separate combustion chamber [4]
- 5/18 • • • in a stack [4]
- 5/20 • with combustion in rotating or oscillating drums [4]
- 5/22 • • the drums being conically shaped [4]
- 5/24 • with combustion in a vertical, substantially cylindrical, combustion chamber [4]
- 5/26 • • having rotating bottom [4]
- 5/28 • • having raking arms [4]
- 5/30 • with combustion in a fluidised bed [4]
- 5/32 • in which the waste or low-grade fuel is subjected to a whirling movement, e.g. cyclonic incinerators [4]
- 5/34 • in which the waste or low-grade fuel is burnt in a pit or arranged in a heap for combustion [4]

- 5/36 • with combustion in a conical combustion chamber, e.g. "teepee" incinerators (F23G 5/22 takes precedence) [4]

- 5/38 • having multi-hearth arrangements [4]

- 5/40 • Portable or mobile apparatus [4]

- 5/42 • • of the basket type [4]

- 5/44 • Details; Accessories [4]

- 5/46 • • Recuperation of heat [4]

- 5/48 • • Preventing corrosion [4]

- 5/50 • Control or safety arrangements [4]

7/00 Methods or apparatus, e.g. incinerators, specially adapted for combustion of specific waste or low grade fuels, e.g. chemicals (F23G 1/00 takes precedence; incinerator closets A47K 11/02; oxidation of sludge C02F 11/06; incinerating radioactive waste G21F 9/00) [4, 2006.01]

- 7/02 • of bagasse, megasse or the like [4]

- 7/04 • of waste liquors, e.g. sulfite liquors [4]

- 7/05 • of waste oils [4]

- 7/06 • 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, F01N 3/08; combustion of uncombusted material from primary combustion within apparatus for combustion of solid or fluent fuel F23B, F23C) [4]

- 7/07 • • in which combustion takes place in the presence of catalytic material [2006.01]

- 7/08 • • using flares, e.g. in stacks [4]

- 7/10 • of field or garden waste [4]

- 7/12 • of plastics, e.g. rubber [4]

- 7/14 • of contaminated soil, e.g. soil contaminated by oil [4]