

## 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
Adaptation for specific waste or fuels.....	7/00
Details; Accessories.....	5/44
Control or safety arrangements.....	5/50

<b>1/00</b>	<b>Methods or apparatus specially adapted for cremation of human or animal carcasses</b>	5/36	• with combustion in a conical combustion chamber, e.g. "teepee" incinerators (F23G 5/22 takes precedence) [4]
<b>5/00</b>	<b>Methods or apparatus, e.g. incinerators, specially adapted for combustion of waste or low-grade fuels [4]</b>	5/38	• having multi-hearth arrangements [4]
5/02	• including pretreatment [4]	5/40	• Portable or mobile apparatus [4]
5/027	• • pyrolysing or gasifying (pyrolysis of sludge C02F 11/00; destructive distillation of carbonaceous materials C10B 53/00) [4]	5/42	• • of the basket type [4]
5/033	• • comminuting or crushing [4]	5/44	• Details; Accessories [4]
5/04	• • drying [4]	5/46	• • Recuperation of heat [4]
5/05	• • • using drying grates [4]	5/48	• • Preventing corrosion [4]
5/08	• including supplementary heating [4]	5/50	• Control or safety arrangements [4]
5/10	• • using electric means [4]	<b>7/00</b>	<b>Methods or apparatus, e.g. incinerators, specially adapted for combustion of specific waste or low grade fuels, e.g. chemicals</b> (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]
5/12	• • using gaseous or liquid fuel (F23G 5/14 takes precedence) [4]	7/02	• of bagasse, megasse or the like [4]
5/14	• • including secondary combustion [4]	7/04	• of waste liquors, e.g. sulfite liquors [4]
5/16	• • • in a separate combustion chamber [4]	7/05	• of waste oils [4]
5/18	• • • in a stack [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]
5/20	• with combustion in rotating or oscillating drums [4]	7/07	• • in which combustion takes place in the presence of catalytic material [2006.01]
5/22	• • the drums being conically shaped [4]	7/08	• • using flares, e.g. in stacks [4]
5/24	• with combustion in a vertical, substantially cylindrical, combustion chamber [4]	7/10	• of field or garden waste [4]
5/26	• • having rotating bottom [4]	7/12	• of plastics, e.g. rubber [4]
5/28	• • having raking arms [4]	7/14	• of contaminated soil, e.g. soil contaminated by oil [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]		