

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

F23 COMBUSTION APPARATUS; COMBUSTION PROCESSES

F23H GRATES (inlets for fluidisation air for fluidised bed combustion apparatus F23C 10/20); CLEANING OR RAKING GRATES

Subclass index

GRATES

With solid bars; with hollow bars.....	1/00, 3/00
Double; inclined; revolving or rocking; travelling.....	5/00, 7/00, 9/00, 11/00
Other types.....	13/00
Details.....	17/00

CLEANING ARRANGEMENTS FOR GRATES, MOVING FUEL ALONG GRATE.....15/00

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|-------------|---|--------------|--|
| 1/00 | Grates with solid bars (double grates F23H 5/00) [1, 2006.01] | 9/12 | • the bars being vertically movable in a plane [1, 2006.01] |
| 1/02 | • having provision for air supply or air preheating, e.g. air-supply or blast fittings which form part of the grate structure or serve as supports [1, 2006.01] | 11/00 | Travelling grates [1, 2006.01] |
| 1/04 | • having a variable burning surface [1, 2006.01] | 11/02 | • with the bars disposed on transverse bearers [1, 2006.01] |
| 1/06 | • having bars at different levels [1, 2006.01] | 11/04 | • with the bars pivoted at one side [1, 2006.01] |
| 1/08 | • Vertical grates [1, 2006.01] | 11/06 | • with the bars movable relatively to one another [1, 2006.01] |
| 3/00 | Grates with hollow bars [1, 2006.01] | 11/08 | • with several individually-movable grate surfaces [1, 2006.01] |
| 3/02 | • internally cooled [1, 2006.01] | 11/10 | • with special provision for supply of air from below and for controlling air supply [1, 2006.01] |
| 3/04 | • externally cooled, e.g. with water, steam, or air [1, 2006.01] | 11/12 | • inclined travelling grates; Stepped travelling grates [1, 2006.01] |
| 5/00 | Double grates [1, 2006.01] | 11/14 | • serving as auxiliary grates [1, 2006.01] |
| 7/00 | Inclined grates (inclined travelling grates F23H 11/12) [1, 2006.01] | 11/16 | • for multi-layer stoking [1, 2006.01] |
| 7/02 | • with fixed bars [1, 2006.01] | 11/18 | • Details [1, 2006.01] |
| 7/04 | • • in parallel disposition [1, 2006.01] | 11/20 | • • Driving means [1, 2006.01] |
| 7/06 | • with movable bars disposed parallel to direction of fuel feeding [1, 2006.01] | 11/22 | • • Moving fuel along grate; Cleaning of grate [1, 2006.01] |
| 7/08 | • • reciprocating along their axes [1, 2006.01] | 11/24 | • • Removal of ashes; Removal of clinker [1, 2006.01] |
| 7/10 | • • rocking about their axes [1, 2006.01] | 11/26 | • • • by dumping [1, 2006.01] |
| 7/12 | • with movable bars disposed transversely to direction of fuel feeding [1, 2006.01] | 11/28 | • • Replaceable burning-surface [1, 2006.01] |
| 7/14 | • • reciprocating along their axes [1, 2006.01] | 13/00 | Grates not covered by any of groups F23H 1/00- F23H 11/00 [1, 2006.01] |
| 7/16 | • • rocking about their axes [1, 2006.01] | 13/02 | • Basket grates, e.g. with shaking arrangement [1, 2006.01] |
| 7/18 | • • reciprocating in an upward direction [1, 2006.01] | 13/04 | • Telescoping grates [1, 2006.01] |
| 9/00 | Revolving grates; Rocking grates (F23H 7/00 takes precedence) [1, 2006.01] | 13/06 | • Dumping-grates [1, 2006.01] |
| 9/02 | • Revolving cylindrical grates [1, 2006.01] | 13/08 | • Grates specially adapted for gas generators and also applicable to furnaces [1, 2006.01] |
| 9/04 | • Grates rocked as a whole [1, 2006.01] | 15/00 | Cleaning arrangements for grates (not forming part of the grate F23J 1/00); Moving fuel along grate (rocking grates modified for moving fuel F23H 9/10; for travelling grates F23H 11/22) [1, 2006.01] |
| 9/06 | • the bars being rocked about axes transverse to their lengths [1, 2006.01] | 17/00 | Details of grates [1, 2006.01] |
| 9/08 | • the bars being rocked about their longitudinal axes [1, 2006.01] | 17/02 | • End fittings on bars [1, 2006.01] |
| 9/10 | • • and modified to move fuel along the grate [1, 2006.01] | | |

F23H

- 17/04

- • of travelling grates **[1, 2006.01]**
- 17/06

- Provision for vertical adjustment of grate **[1, 2006.01]**
- 17/08

- Bearers; Frames; Spacers; Supports **[1, 2006.01]**
- 17/10

- • Dead plates; Imperforate fuel supports **[1, 2006.01]**
- 17/12

- Fire-bars **[1, 2006.01]**