

ECLA**EUROPEAN CLASSIFICATION****F23H****GRATES** (inlets for fluidisation air for fluidised bed combustion apparatus [F23C10/20](#));
CLEANING OR RAKING GRATES**F23H1/00****Grates with solid bars****F23H1/02**

- having provision for air supply or air preheating, e.g. air-supply or blast fittings which form a part of the grate structure or serve as supports

F23H1/04

- having a variable burning surface

F23H1/06

- having bars at different levels ([double grates F23H5/00](#))

F23H1/08

- Vertical grates

F23H3/00**Grates with hollow bars****F23H3/02**

- internally cooled

F23H3/04

- externally cooled, e.g. with water, steam or air

F23H5/00**Double grates****F23H7/00****Inclined [N: or stepped] grates** ([inclined travelling grates F23H11/12](#)) [\[C9505\]](#)**F23H7/02**

- with fixed bars

F23H7/04

- . in parallel disposition

F23H7/06

- with movable bars disposed parallel to direction of fuel feeding

F23H7/08

- . reciprocating along their axes

F23H7/10

- . rocking about their axes

F23H7/12

- with movable bars disposed transversely to direction of fuel feeding

F23H7/14

- . reciprocating along their axis

F23H7/16

- . rocking about their axes

F23H7/18

- . reciprocating in an upward direction

F23H9/00**Revolving-grates; Rocking-grates** ([F23H7/00](#) takes precedence)**F23H9/02**

- Revolving cylindrical grates

F23H9/04

- Grates rocked as a whole

F23H9/06

- the bars being rocked about axes transverse to their lengths

- F23H9/08 . the bars being rocked about their longitudinal axes
- F23H9/10 . . and modified to move fuel along the grate
- F23H9/12 . the bars being vertically movable in a plane
- F23H11/00 Travelling-grates**
- F23H11/02 . with the bars disposed on transverse bearers
- F23H11/04 . with the bars pivoted at one side
- F23H11/06 . with the bars movable relatively to one another
- F23H11/08 . with several individually-movable grate surfaces
- F23H11/10 . with special provision for supply of air from below and for regulating air supply
- F23H11/12 . inclined travelling grates; Stepped travelling grates
- F23H11/14 . serving as auxiliary grates
- F23H11/16 . for multi-layer stoking
- F23H11/18 . Details
- F23H11/20 . . Driving-means
- F23H11/22 . . Moving fuel along grate; Cleaning of grate
- F23H11/24 . . Removal of ashes; Removal of clinker
- F23H11/26 . . . by dumping
- F23H11/28 . . Replaceable burning-surface

F23H13/00 Grates not covered by any preceding group

- F23H13/02 . Basket grates, e.g. with shaking arrangement
- F23H13/04 . Telescoping-grates
- F23H13/06 . Dumping-grates
- F23H13/08 . Grates specially adapted for gas generators and also applicable to furnaces

F23H15/00 Cleaning arrangements for grates (not forming part of the grate [F23J1/00](#)); Moving fuel along grate (rocking-grates modified for moving fuel [F23H9/10](#); for travelling-grates [F23H11/22](#))

F23H17/00 Details of grates

- F23H17/02 . End fittings on bars

- F23H17/04 . . . of travelling-grates
- F23H17/06 . Provision for vertical adjustment of grate
- F23H17/08 . Bearers; Frames; Spacers; Supports
- F23H17/10 . . Dead plates; Imperforate fuel supports
- F23H17/12 . Fire-bars