

# CPC COOPERATIVE PATENT CLASSIFICATION

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

<b>1/00</b>	<b>Grates with solid bars</b>	13/04	• Telescoping-grates
1/02	• 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	13/06	• Dumping-grates
1/04	• having a variable burning surface	13/08	• Grates specially adapted for gas generators and also applicable to furnaces
1/06	• having bars at different levels ( <a href="#">double grates F23H 5/00</a> )	<b>15/00</b>	<b>Cleaning arrangements for grates (not forming part of the grate <a href="#">F23J 1/00</a>); Moving fuel along grate (rocking-grates modified for moving fuel <a href="#">F23H 9/10</a>; for travelling-grates <a href="#">F23H 11/22</a>)</b>
1/08	• Vertical grates		
<b>3/00</b>	<b>Grates with hollow bars</b>	<b>17/00</b>	<b>Details of grates</b>
3/02	• internally cooled	17/02	• End fittings on bars
3/04	• externally cooled, e.g. with water, steam or air	17/04	• . . of travelling-grates
<b>5/00</b>	<b>Double grates</b>	17/06	• Provision for vertical adjustment of grate
<b>7/00</b>	<b>Inclined {or stepped} grates (inclined travelling grates <a href="#">F23H 11/12</a>)</b>	17/08	• Bearers; Frames; Spacers; Supports
7/02	• with fixed bars	17/10	• . . Dead plates; Imperforate fuel supports
7/04	• . . in parallel disposition	17/12	• Fire-bars
7/06	• with movable bars disposed parallel to direction of fuel feeding	<b>2700/00</b>	<b>Grates characterised by special features or applications</b>
7/08	• . . reciprocating along their axes	2700/001	• Grates specially adapted for steam boilers
7/10	• . . rocking about their axes	2700/002	• Inclined grates with longitudinally movable gratebars
7/12	• with movable bars disposed transversely to direction of fuel feeding	2700/003	• Stepped grates with rotatable or slidable gratebars
7/14	• . . reciprocating along their axis	2700/004	• Rotary grates with horizontal axis
7/16	• . . rocking about their axes	2700/005	• Rotary grates with vertical axis
7/18	• . . reciprocating in an upward direction	2700/006	• Grates of basket-type
<b>9/00</b>	<b>Revolving-grates; Rocking-grates (<a href="#">F23H 7/00</a> takes precedence)</b>	2700/007	• Basket grates with shaking arrangement
9/02	• Revolving cylindrical grates	2700/008	• Mobile grates
9/04	• Grates rocked as a whole	2700/009	• Grates specially adapted for incinerators
9/06	• the bars being rocked about axes transverse to their lengths	<b>2900/00</b>	<b>Special features of combustion grates</b>
9/08	• the bars being rocked about their longitudinal axes	2900/03021	• Liquid cooled grates
9/10	• . . and modified to move fuel along the grate	2900/09041	• Vibrating grates for solid fuels ( <a href="#">specially adapted for incinerators F23G 2203/107</a> )
9/12	• the bars being vertically movable in a plane	2900/17001	• Specific materials therefor
<b>11/00</b>	<b>Travelling-grates</b>	2900/17002	• Detachable or removable worn-out parts
11/02	• with the bars disposed on transverse bearers		
11/04	• with the bars pivoted at one side		
11/06	• with the bars movable relatively to one another		
11/08	• with several individually-movable grate surfaces		
11/10	• with special provision for supply of air from below and for controlling air supply		
11/12	• inclined travelling grates; Stepped travelling grates		
11/14	• serving as auxiliary grates		
11/16	• for multi-layer stoking		
11/18	• Details		
11/20	• . . Driving-means		
11/22	• . . Moving fuel along grate; Cleaning of grate		
11/24	• . . Removal of ashes; Removal of clinker		
11/26	• . . . by dumping		
11/28	• . . Replaceable burning-surface		
<b>13/00</b>	<b>Grates not covered by any preceding group</b>		
13/02	• Basket grates, e.g. with shaking arrangement		