

Title (en)
Watercooled sliding combustion grate

Title (de)
Wassergekühlter Schub-Verbrennungsrost

Title (fr)
Grille de combustion coulissante refroidie à l'eau

Publication
EP 0874195 B1 20000329 (DE)

Application
EP 98810326 A 19980415

Priority
CH 93697 A 19970423

Abstract (en)
[origin: EP0874195A1] The grate consists of alternate stationary (5) and movable (6) plates. The movable plates are each driven by a hydraulic cylinder-piston unit (18,19). Water-cooled hollow profiled sections (8,9) flank the grate and are joined at right-angles by screwed-on horizontal spacer pipes (3,4). There are two further hollow profiles (10,11) for air and cooling water between the hollow planks (8,9). The movable grate plates rest on at least one steel roller (16,17) on their reverse side. On their front side is a steel roll (20,21).

IPC 1-7
F23H 3/02; **F23H 7/08**

IPC 8 full level
F23G 5/00 (2006.01); **F23H 3/02** (2006.01); **F23H 7/08** (2006.01)

CPC (source: EP KR US)
F23H 3/02 (2013.01 - EP KR US); **F23H 7/08** (2013.01 - EP US); **F23H 11/12** (2013.01 - KR); **F23H 2900/03021** (2013.01 - EP KR US)

Cited by
CZ302839B6; ITTO20090919A1; WO2012012909A2; WO2012013700A2; US8522697B2; EP4027055A1; WO2012012909A3; WO2011063911A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IE IT LI NL SE

DOCDB simple family (publication)
EP 0874195 A1 19981028; **EP 0874195 B1 20000329**; AT E191270 T1 20000415; CA 2235532 A1 19981023; CA 2235532 C 20080205; DE 59800108 D1 20000504; DK 0874195 T3 20001120; ES 2147040 T3 20000816; JP 3715430 B2 20051109; JP H1163460 A 19990305; KR 100494968 B1 20050909; KR 19980081563 A 19981125; NO 312644 B1 20020610; NO 981618 D0 19980408; NO 981618 L 19981026; US 6024031 A 20000215

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