

Title (en)
Grate element with liquid-cooling

Title (de)
Rostelement mit Flüssigkeitskühlung

Title (fr)
Élément de grille avec refroidissement à liquide

Publication
EP 0811803 B1 20050720 (DE)

Application
EP 97108567 A 19970528

Priority
DE 19622424 A 19960604

Abstract (en)
[origin: EP0811803A2] The component has at least one fluid feed channel (13,14) with parallel sections (13) and fluid inlet and outlet. The parallel sections of the channel run crossways to the component longitudinal direction and crossways to the combustible material conveyor direction. The channel sections run in a straight line and have a cross-section determining a compact, dead space-free flow. Two straight-line channel sections are joined by a linkage (14) and thus fluid flows through them in rows. The fluid inflow (15) is provided in the area of the fixture and drive end (5) and the fluid outflow (16) in the head area (7) of the grill component (1,2). All channel sections have a common fluid inlet and a common fluid outlet, with the fluid flowing through in a parallel manner.

IPC 1-7
F23H 3/02; **F23H 17/12**

IPC 8 full level
F23H 3/04 (2006.01); **F23H 3/02** (2006.01); **F23H 7/04** (2006.01); **F23H 7/08** (2006.01); **F23H 17/12** (2006.01)

CPC (source: EP US)
F23H 3/02 (2013.01 - EP US); **F23H 17/12** (2013.01 - EP US); **F23H 2900/03021** (2013.01 - EP US)

Cited by
WO9932830A1; EP0924464A1; DE19881971B4; DE19910425A1; DE19910425C2; EP3779278A1; FR3099949A1; EP1035373A1; DE102014008858A1; EP1355112A1; WO0221049A1; WO2018166587A1; EP3967927A1; WO2022053550A1

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EP 97108567 A 19970528; AT 97108567 T 19970528; BR 9703442 A 19970604; CA 2206727 A 19970603; CZ 168697 A 19970602; DE 19622424 A 19960604; DE 59706724 T 19970528; DK 97108567 T 19970528; ES 97108567 T 19970528; JP 14416597 A 19970602; NO 972545 A 19970604; PL 32032297 A 19970603; RU 97108768 A 19970603; SI 9730716 T 19970528; TW 86106798 A 19970521; US 86643297 A 19970530