

Title (en)

System for cooling a gas which forms deposits.

Title (de)

Vorrichtung zum Abkühlen eines belagbildenden Gases.

Title (fr)

Dispositif de refroidissement d'un gaz qui forme des dépôts.

Publication

EP 0635694 A3 19950628 (DE)

Application

EP 94110240 A 19940701

Priority

DE 4324586 A 19930722

Abstract (en)

[origin: DE4324586C1] A device for cooling a film-forming gas, consisting of a vertical container (1) through which gas (G) flows, at least two heating surface units (3, 9; 9, 13) which are arranged in the container, assembled from at least one heating surface constructed with a closed geometry, and through which cooling medium flows, and a plurality of rappers (7; 11, 14), assigned to the individual heating surfaces, for the mechanical cleaning of the heating surface. In order to simplify the way the heating surface units are supported while guaranteeing cleaning, it is provided in the device that the upper (3; 9) of the heating surface units (3, 9; 9, 13) is supported (2) on the container (1), and the lower heating surface (9; 13) is connected via connecting pipes (8; 12), through which the cooling medium flows, to the upper heating surface unit (3; 9) in such a way that the cooling medium flows sequentially through the heating surface units (6; 10; 13'), and the connecting pipes (8; 12) between the heating surfaces form an open geometry which does not impede the rapping effect (7; 11; 14) at the individual heating surface units. <IMAGE>

IPC 1-7

F28G 1/08; **F28D 7/02**; **F28F 9/013**

IPC 8 full level

C10J 3/86 (2006.01); **F22B 1/18** (2006.01); **F22B 37/48** (2006.01); **F28D 7/02** (2006.01); **F28F 9/013** (2006.01); **F28G 1/08** (2006.01); **F28G 7/00** (2006.01)

CPC (source: EP US)

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Citation (search report)

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CN114705064A; CN102679770A

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DE 4324586 C1 19941117; DE 59404010 D1 19971016; EP 0635694 A2 19950125; EP 0635694 A3 19950628; EP 0635694 B1 19970910; ES 2107713 T3 19971201; US 5482110 A 19960109

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