

Title (en)

Central beam cooled with a fluid for combustion grate

Title (de)

Fluidgekühltes Mittelbalkenelement für Verbrennungsrost

Title (fr)

Poutre centrale refroidie par fluide pour grille de combustion

Publication

EP 1134495 A1 20010919 (DE)

Application

EP 01104220 A 20010222

Priority

DE 10011791 A 20000313

Abstract (en)

The middle beam element (15) has channels for the fluid and inlet and outlet supplies for the refrigerant. The middle beam element comprises two parts (1,2) that are arranged one on the top of the other and are connected together to form a channel, through which the refrigerant flows. Preferably, the two parts are bell-shaped and the channel is formed on both sides of the inner part with its surface is parallel to the thermally-loaded outer face.

Abstract (de)

Die Erfindung betrifft ein fluidgekühltes Mittelbalkenelement für mehrbahnige Verbrennungsroste, bestehend aus Kanälen für das Fluid, Zuführungen und Abführungen für das Kühlmittel, bei dem das Mittelbalkenelement (15) aus zwei übereinander liegenden, miteinander verbundenen, nach unten offenen Teilen (1, 2) besteht, die mindestens einen Kanal (a, b) bilden, durch den ein Kühlmedium strömt, und einen Mittelbalken (Fig. 1). <IMAGE>

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CPC (source: EP KR)

F23H 3/02 (2013.01 - EP KR); **F23H 17/08** (2013.01 - EP); **F23H 2900/03021** (2013.01 - EP)

Citation (search report)

- [A] WO 9518333 A1 19950706 - DOIKOS INVESTMENTS LTD [GB], et al
- [A] US 4096809 A 19780627 - MARTIN JOHANNES JOSEF, et al
- [A] US 1742908 A 19300107 - GIBSON JOHN G
- [A] FR 514952 A 19210322 - ROBERT GRABOWSKI [DE]
- [A] EP 0791784 A1 19970827 - OSCHATZ GMBH [DE]
- [A] US 5205100 A 19930427 - LECOINTRE DIDIER [FR]
- [A] EP 0165432 A1 19851227 - KOCH THEODOR

Cited by

KR20200002796A; WO2018149516A1; WO2007107024A1

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