

Title (en)

Device for improving the flow deviation of flue gas and the fly ash separation in a multi-draft boiler.

Title (de)

Einrichtung zur Verbesserung der Strömungsumlenkung von Rauchgas und der Flugascheabscheidung in einem Mehrzugkessel.

Title (fr)

Dispositif pour la déviation d'écoulement de gaz de fumée et de la séparation de cendres volantes dans une chaudière à plusieurs événements.

Publication

EP 0177667 A1 19860416 (DE)

Application

EP 85103578 A 19850326

Priority

CH 246784 A 19840518

Abstract (en)

1. Device for the production of a homogeneously distributed and directed flow of flue gas following a flow deflection and for the flue dust separation in a multiple draw tank, in which a cascade with two or more shovels (S1, S2, ..., Sn) in the deflection (U) of the vertical flue draw (30) is built in, after which a heat exchanger is located in the ascending current, characterized in that the shovels (S1, S2, ..., Sn) of the cascade are located in the transition region of the ascending draw (A) and level with straight profile and for the flow of flue gas particles with an angle of incidence smaller than or equal to 90 degrees and a slope angle smaller than or equal to 45 degrees.

Abstract (de)

Die Einrichtung zur Verbesserung der Strömungsumlenkung von Rauchgas und der Flugascheabscheidung in einem Mehrzugkessel weist ein n-schaufeliges Schaufelgitter (S1/S2/.../Sn) in der Umlenkung (U) des Vertikalzuges (30). Die Schaufeln (S1,S2...,Sn) des Schaufelgitters (S1/S2/.../Sn) in der Umlenkung (U) des Vertikalzuges (30) sind vorzugsweise im Übergangsbereich des Aufwärtzuges (A) angeordnet und das Schaufelgitter (S1/S2/.../Sn) besteht aus ebenen Schaufeln (S1,S2...,Sn).

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CPC (source: EP)

F23J 15/027 (2013.01)

Citation (search report)

- DD 117274 A1 19760105
- DE 2140167 B2 19740411
- DE 2805671 A1 19780914 - VON ROLL AG

Cited by

CN110043916A; DE4319635A1; US5983840A; CN105492826A; EP3034943A4; EP0994319A3; KR100844288B1; EP0748647A1; US10488040B2; EP0903536A1; US7556674B2; WO2022011861A1; WO2005114053A1; US6235236B1; EP0386806B1

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