

Title (en)

Method and apparatus for treating process gases in a circulating fluidised bed

Title (de)

Verfahren und Vorrichtung zur Behandlung von Prozessgasen in einer zirkulierenden Wirbelschicht

Title (fr)

Procédé et appareil pour le traitement des gaz industriels dans un lit fluidisé circulant

Publication

**EP 0851175 B1 20020417 (DE)**

Application

**EP 97121573 A 19971208**

Priority

CH 320096 A 19961230

Abstract (en)

[origin: EP0851175A1] The reactor has a conically upward-widening diffuser (2), which together with a cylindrical duct (4) and a concentrator (5), forms a Venturi nozzle inlet for the process gases. Between the duct and the diffuser wall (3), an annular base edge zone (6) has evenly distributed base-openings (10,10') concentric with the cylindrical duct for auxiliary gas flow (H) to enter through. Some of the base-openings at least have nozzles (9) for the auxiliary gas flow jets. An outlet for coarse ash (11) is positioned above the base edge zone in the bottom part of the diffuser.

IPC 1-7

**F23G 7/06**; **F23G 5/30**; **F23J 15/02**; **F23J 15/06**; **F23C 10/02**

IPC 8 full level

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CPC (source: EP KR)

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