

Title (en)

Process and apparatus for uniform heating of a mixture of dust particles in a hot gas flow

Title (de)

Verfahren und Vorrichtung zur gleichmässigen Erhitzung eines Staubkörnnergemisches in einer Strömung heisser Gase

Title (fr)

Procédé et appareil pour un chauffage uniforme d'un mélange de particules de poussière dans un flux gazeux chaud

Publication

EP 1306636 B1 20061220 (DE)

Application

EP 01123693 A 20011002

Priority

EP 01123693 A 20011002

Abstract (en)

[origin: EP1306636A1] Process for uniformly heating a mixture comprising coarse and fine grains using a hot gas flow involves introducing into the hot gas flow the grains at different positions depending on their size, so that the grains cover a distance which increases in length with increasing grain size. <??>An Independent claim is also included for a device for carrying out the above process. <??>Preferred Features: The grain mixture is introduced with the aid of a backward-flowing carrier gas flow into a forward-flowing hot gas flow, so that ,before transfer into the hot gas flow, the grains are separated depending on their size, with the smaller grains being introduced higher up in the hot gas flow than the larger grains.

IPC 8 full level

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CPC (source: EP)

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