

Title (en)

Reactor for drying aqueous solids in a heated fluidized bed and process for operating the reactor

Title (de)

Reaktor zum Trocknen wasserhaltiger Feststoffe in einem beheizten Wirbelbett und Verfahren zum Betreiben des Reaktors

Title (fr)

Réacteur pour sécher des solides aqueux dans un lit fluidisé chauffé et procédé d'opération pour le réacteur

Publication

**EP 0595378 B1 19961120 (DE)**

Application

**EP 93202451 A 19930819**

Priority

DE 4232110 A 19920925

Abstract (en)

[origin: CA2101368A1] The reactor for drying solids in a heated fluidized bed comprises over the fluidized bed a vapor-collecting space provided with a vapor outlet. Means for feeding the water-containing solids are provided over the vapor-collecting space. A conical distributor surface, which is rotatable about a vertical axis, is provided in the vapor-collecting space below the supplying means and slopes at an angle of 25 to 70.degree. from the horizontal and is formed with at least one aperture. The aperture occupies 10 to 90 % of the theoretical overall area of the distributor surface. The distributor surface is usually rotated at a speed of 20 to 250 revolutions per minute.

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**F26B 3/08**; **F26B 25/00**

IPC 8 full level

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CPC (source: EP US)

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DOCDB simple family (publication)

**DE 4232110 A1 19940331**; AU 4754693 A 19940331; AU 661197 B2 19950713; CA 2101368 A1 19940326; DE 59304537 D1 19970102; EP 0595378 A1 19940504; EP 0595378 B1 19961120; ES 2094467 T3 19970116; GR 3021754 T3 19970228; US 5325607 A 19940705

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**DE 4232110 A 19920925**; AU 4754693 A 19930923; CA 2101368 A 19930727; DE 59304537 T 19930819; EP 93202451 A 19930819; ES 93202451 T 19930819; GR 960402938 T 19961121; US 12203093 A 19930914