

Title (en)

METHOD AND SPEED DRYER FOR DRYING SOLID BULK MATERIALS WITH GAS IN A FLUIDIZED BED

Title (de)

VERFAHREN UND GESCHWINDIGKEITSTROCKNER FÜR FESTES SCHÜTTGUT MIT GAS IN EINEM WIRBELBETT

Title (fr)

PROCÉDÉ ET SÉCHEUR RAPIDE POUR LE SÉCHAGE DE MATÉRIAUX EN VRAC SOLIDES À L'AIDE DE GAZ DANS UN LIT FLUIDISÉ

Publication

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Application

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Abstract (en)

[origin: WO2012171082A1] The invention refers to a method for drying of solid bulk materials with gas in a fluidized bed and a speed dryer for implementing the method. According to the invention, the method is carried out in such a way that the interaction between the gas and the solid bulk material proceeds in a hydro - dynamic regime of a fluidized bed in which are created and implemented fluidized beds with both straight direction and opposite direction of movement of the phase flows. Pursuant to the invention, the method is realized in a speed dryer, which consists of four rigidly connected structural sections - input section, working section, exit section and supporting section, and as to reduce the hydraulic resistance in the gas phase, instead of supporting grid in order to generate two-phase fluidized beds, a shaft's system (8) is applied.

IPC 8 full level

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