

Title (en)

APPARATUS FOR CONTINUOUS DRYING OF PARTICLES COMPRISING A CONTROL LOOP

Title (de)

VORRICHTUNG ZUR KONTINUIERLICHEN TROCKNUNG VON PARTIKELN MIT EINEM REGELKREIS

Title (fr)

APPAREIL DE SÉCHAGE EN CONTINU DE PARTICULES COMPRENANT UNE BOUCLE DE RÉGULATION

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Application

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Abstract (en)

[origin: WO2023144064A1] The present invention relates to a dryer for drying particles comprising, • first and second circular plates mounted horizontally for rotation about an axis (Z), the surface of the plates being perforated and permeable to fluids, • a unit for blowing hot gas as a flow substantially parallel to the axis (Z) passing through the second plate before passing through the first plate, • first and second units for distributing the particles and first and second units for recovering the particles after a rotation of each plate, • a unit for transferring the harvested particles from the first plate (1a) to the second plate, • a processor controlling the rotational speeds of the plates (ω_a , ω_b) and the supply flow rate (dm_a/dt) of particles on the basis of an output control loop comprising a measurement of the final moisture content (H1b) of the particles measured in the second recovery unit.

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