Title (en)

METHOD AND ANNULAR SHAFT FURNACE FOR PRODUCING CALCINED MATERIALS

Title (de)

VERFAHREN UND RINGSCHACHTOFEN ZUR ERZEUGUNG VON GEBRANNTEM GUT

Title (fr)

PROCEDE ET FOUR A CUVE ANNULAIRE SERVANT A PRODUIRE UNE MATIERE CALCINEE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0233338A2] The invention relates to the production of calcined materials such as lime, dolomite, magnesite or similar in an annular shaft furnace, wherein the annular shaft of said furnace extends in a substantially vertical manner forming a treatment area and is crossed from top to bottom by material to be treated which moves successively from a preheating area, a calcining area and a cooling area. The calcining area is divided into several superimposed calcining sections. Calcining planes are created in the transition areas between each two calcining sections. Hot treatment gases from calcining chambers are fed thereto for heat treatment of said material. It is possible to ensure reliable operation and relatively easy control and supply for a relatively simple overall structure of the shaft furnace by producing at least those hot treatment gases which are to be introduced into the annular shaft on the lower calcining plane in a single external calcining chamber and by introducing them into the treatment chamber via an annular line surrounding the annular shaft in an evenly distributed manner along the periphery of the shaft.

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