

Title (en)
INSTALLATION AND METHOD FOR THE CALCINATION OF A MINERAL LOAD CONTAINING A HYDRAULIC BINDER

Title (de)
VORRICHTUNG UND VERFAHREN ZUR CALCINIERUNG EINER EIN HYDRAULISCHES BINDEMITTEL ENTHALTENDEN MINERALBELADUNG

Title (fr)
INSTALLATION ET PROCÉDÉ DE CALCINATION D'UNE CHARGE MINÉRALE CONTENANT UN CARBONATE POUR PRODUIRE UN LIÉEN HYDRAULIQUE

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Application
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Abstract (en)
[origin: WO2006042923A2] The invention relates to an installation comprising a combustion chamber (15) provided with means (53) which are used to introduce the mineral load and are connected to a pre-heater (27), combustion means (55) for maintaining the chamber (15) at a temperature of between 700 °C and 900 °C, means (57) for introducing a treatment gas having a controlled carbon dioxide content in order to oppose the dissociation of the carbonate in the chamber (15), and means (61) for removing the calcinated mineral load guided into a cooler (31). The chamber (15) comprises means (51) for forming a fluidised bed. The means (57) for introducing treatment gases are supplied at least partially by a line (91) for deriving part of the combustion flue gases of the chamber (15) emitted by means for discharging (21) said flue gases into the atmosphere. The invention can be used for the production of a cement-type hydraulic binder.

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