

Title (en)

Method and apparatus for the treatment of calcium carbonate slurry as residue from the manufacture of paper.

Title (de)

Verfahren und Apparat zur Verarbeitung von Kalziumkarbonatsuspension als Rückstand aus der Papierherstellung.

Title (fr)

Procédé et dispositif pour le traitement de suspensions de carbonate de calcium provenant de la fabrication de papier.

Publication

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Application

EP 89311391 A 19891102

Priority

SE 8804160 A 19881117

Abstract (en)

In a method and using an apparatus for carrying out the method for the treatment of calcium carbonate slurry ("mesa"), which is a re-utilizable residue from the causticisation of sodium carbonate with burnt lime in the manufacture of paper after the sulphate process, the lime sludge or "mesa cake" is conditioned in a mixer (21) with dry, powdery raw material (CaCO₃) to a loose, moist mesa pulp which is fed to the lower end of a riser pipe (17) constructed as a flash duct wherein the mesa pulp is suspended, dried and pulverized by means of hot smoke gas from a kiln (1), whereupon the dry, powdery product is separated from the smoke gas in a separator (18) and fed to the kiln (1) for further treatment in same.

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Cited by

EP1092059A4; US5213496A; US5989018A; US5846378A; AU706803B2; US6348128B1; US7300539B2; WO9100251A1; US6663749B2; WO2012126594A1; DE102011014348A1

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