

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

**EP 0369650 A2 19900523 (EN)**

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 (CaCO<sub>3</sub>) 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.

IPC 1-7

**D21C 11/00**

IPC 8 full level

**D21C 11/00** (2006.01)

CPC (source: EP)

**D21C 11/0078** (2013.01)

Cited by

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

Designated contracting state (EPC)

AT DE ES FR

DOCDB simple family (publication)

**EP 0369650 A2 19900523; EP 0369650 A3 19910529; EP 0369650 B1 19930428**; AT E88767 T1 19930515; BR 8905827 A 19900612; CA 2003112 A1 19900517; DE 68906243 D1 19930603; DE 68906243 T2 19930812; ES 2055097 T3 19940816; FI 895468 A0 19891116; FI 93751 B 19950215; JP H0319987 A 19910129; PT 92341 A 19900531; SE 460728 B 19891113; SE 8804160 D0 19881117

DOCDB simple family (application)

**EP 89311391 A 19891102**; AT 89311391 T 19891102; BR 8905827 A 19891117; CA 2003112 A 19891116; DE 68906243 T 19891102; ES 89311391 T 19891102; FI 895468 A 19891116; JP 29948889 A 19891117; PT 9234189 A 19891117; SE 8804160 A 19881117