

Title (en)

Control system and method for the manufacture of plaster board.

Title (de)

Steuervorrichtung und Verfahren zur Herstellung von Gipsplatten.

Title (fr)

Dispositif de contrôle et méthode pour la fabrication de plaques de plâtre.

Publication

**EP 0422833 A2 19910417 (EN)**

Application

**EP 90310878 A 19901004**

Priority

GB 8923034 A 19891012

Abstract (en)

To control the manufacture of plasterboard the supervisor enters required board parameters and production rate into a central processor. The processor senses the ratio of liquid raw materials to solid raw materials (AWAT) in a mixer and compares AWAT to a calculated setpoint value (SWAT). The set point value is adjusted in accordance with the difference between AWAT and SWAT. The height of a slurry dam behind an extruder on the boardline is then sensed and compared with a set point value (SDAM). If the sensed value (ADAM) differs from the set point value (SDAM) the setting belt speed (ABEL) is adjusted. The adjusted belt speed is then compared to the desired production rate (SBEL) and the raw materials feed rates varied to compensate for the difference.

IPC 1-7

**B28B 5/02**; **B28B 17/00**

IPC 8 full level

**B28B 5/02** (2006.01); **B28B 17/00** (2006.01); **B28B 19/00** (2006.01)

CPC (source: EP)

**B28B 5/027** (2013.01); **B28B 17/0081** (2013.01); **B28B 19/0092** (2013.01)

Cited by

KR20160064129A; TR28182A; TR24639A; US9983574B2; WO2015048611A3; US2015094839A1; CN105873734A; JP2016539882A; AU2014324629B2; CN108724435A; RU2677505C2; US10289104B2; EP3617822A4; AU2018202496B2; AU2018202498B2; AU2018202499B2; US11126169B2

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0422833 A2 19910417**; **EP 0422833 A3 19911204**; GB 2236876 A 19910417; GB 8923034 D0 19891129

DOCDB simple family (application)

**EP 90310878 A 19901004**; GB 8923034 A 19891012