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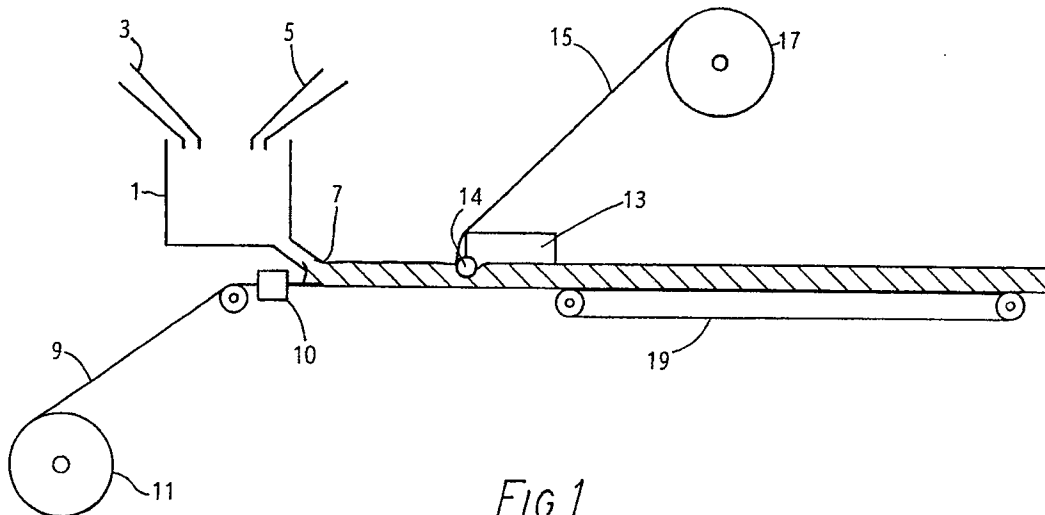
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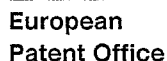
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Control system and method for the manufacture of plaster board.

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.





Application Number

EP 90 31 0878

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	DE-A-3 347 720 (GEBR. KNAUF WESTDEUTSCHE GIPSWERKE) * Figure 2; Pages 1-4 *	20,21	B 28 B 5/02 B 28 B 17/00
Y		1,6-8,15, 17-19	
A		4	
D,Y	GB-A-2 035 617 (MASCHINENFABRIK ANDRITZ AG) * Page 1, line 120 - page 2, line 7; page 2, lines 45-59 *	1,6-8,15, 17-19	
A		4	
A	FR-A-1 560 759 (CORNING GLASS WORKS) * Claim 2 *	2,16	
A	US-A-4 038 531 (WEYERHAEUSER CO.) * Figure 1; column 4, line 24 - column 6, line 19 *	9-14	
A	US-A-3 532 576 (NATIONAL GYPSUM CO.)		
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5) B 28 B B 27 N B 30 B
Place of search		Date of completion of search	Examiner
The Hague		25 September 91	LANASPEZE J-P.Y.
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document			