

Title (en)

METHOD FOR THE CONTINUOUS PRODUCTION OF SHAPED ARTICLES, IN PARTICULAR SLABS, FROM A MIX OF PLASTER OF PARIS, AND FIBRE MATERIALS AS WELL AS A DEVICE FOR CARRYING OUT THE METHOD

Publication

**EP 0153588 B1 19891123 (DE)**

Application

**EP 85100748 A 19850125**

Priority

- DE 3404658 A 19840210
- DE 3439493 A 19841027

Abstract (en)

[origin: EP0153588A1] 1. Process for the continuous production of mouldings, in particular sheets, of a mixture of plaster and a fibrous material, whereby in a first continuous mixing process metered quantities of plaster and fibrous material are mixed thoroughly and the dry plaster and fibre mixture is then moistened in a second continuous mixing process with the metered addition of water, after which the moistened mixture is spread on a support to form mouldings and is subsequently pressed, characterised in that the weight of the dry mixture of plaster and fibrous material is monitored continuously before the second mixing process and the quantity of water to be added is adjusted according to the weight measured, whereby the amount of water to be added in the second continuous mixing process is kept below a critical value at which the moist mixture of plaster and fibrous material tends to form a granulate or lumps and the flow of the plaster and fibrous mixture is divided into separate parts so that each part is spread on the support or on a preceding layer to form a layer of the moulding, that each layer spread is subsequently moistened with water so that the total quantity of water applied to a moulding lies significantly above the stoichiometrical quantity of water required for binding the mixture of plaster and fibrous material spread for the moulding.

IPC 1-7

**B28B 5/02; B28C 7/04**

IPC 8 full level

**B28B 1/52** (2006.01); **B28B 5/02** (2006.01); **B28C 7/04** (2006.01)

CPC (source: EP)

**B28B 1/521** (2013.01); **B28B 1/522** (2013.01); **B28B 1/526** (2013.01)

Cited by

DE3801315A1; DE3708873A1; EP0561270A1; CN113681702A; DE4222872A1; CN115319888A; DE3604388A1; DE3708875C3; EP0634255A1; US5714032A; US5908521A; US5531946A; DE4031935C2; EP1088632A3; US6780356B1; WO2014207098A1; WO9311085A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0153588 A1 19850904; EP 0153588 B1 19891123; EP 0153588 B2 19940420**; CA 1261125 A 19890926; DE 3574353 D1 19891228

DOCDB simple family (application)

**EP 85100748 A 19850125**; CA 473854 A 19850208; DE 3574353 T 19850125