

Title (en)

Process for the continuous manufacture of fibrous concrete slabs.

Title (de)

Verfahren zur kontinuierlichen Herstellung von Platten aus Faserbeton.

Title (fr)

Procédé de fabrication en continu de plaques en fibro-béton.

Publication

EP 0173873 A2 19860312 (DE)

Application

EP 85109855 A 19850806

Priority

DE 3431143 A 19840824

Abstract (en)

[origin: ES8604042A1] The method of making a fibre reinforced concrete material includes sprinkling chopped fibres on the surface of a layer of the material mixed with water, as it is advanced on a conveyor belt. The water content is maintained at a required level, and the layer is kept to a required thickness. The fibres are discharged from an overhead supply duct, and compressed into the surface. - The fibres are suitably aligned and evenly spread by a resilient distributor tool. In addition to the chopped fibres, endless fibres are also added. After the layer has been extruded onto the belt, the fibres can be pressed into it more than once in successive layers. The layer can be wider than the finished width, and the projecting edges are folded over. Cement can be added to any parts in which fibres have not been embedded, or they can be covered.
[origin: ES8604042A1] The method of making a fibre reinforced concrete material includes sprinkling chopped fibres on the surface of a layer of the material mixed with water, as it is advanced on a conveyor belt. The water content is maintained at a required level, and the layer is kept to a required thickness. The fibres are discharged from an overhead supply duct, and compressed into the surface. - The fibres are suitably aligned and evenly spread by a resilient distributor tool. In addition to the chopped fibres, endless fibres are also added. After the layer has been extruded onto the belt, the fibres can be pressed into it more than once in successive layers. The layer can be wider than the finished width, and the projecting edges are folded over. Cement can be added to any parts in which fibres have not been embedded, or they can be covered.

Abstract (de)

Es wird ein Verfahren zur kontinuierlichen Herstellung von Platten und/oder Formkörpern aus faserbewehrten hydraulisch abbindenden Massen beschrieben, bei dem auf eine durch ein Band kontinuierlich fortbewegte Unterlage die Masse in einer bestimmten Dicke über die gesamte Breite der zu bildenden Platte maßgerecht aufgebracht wird. Auf die Oberfläche der sich mit der Unterlage fortbewegende Masse werden aus einer Schneidvorrichtung Faserschnitzel gezielt aufgestreut und diese anschliessend durch ein über die gesamte Breite der Masse gleichmässig wirkendes Werkzeug in die Masse eingebaut. Die Rohplatte kann in ihrem noch verformbaren Zustand weiter verarbeitet und in eine gewünschte Endform überführt werden.

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IPC 8 full level

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CPC (source: EP US)

B28B 1/52 (2013.01 - EP US); **B28B 19/0092** (2013.01 - EP US)

Citation (applicant)

US 4187275 A 19800205 - BRACALIELLY ALBERT J [US], et al

Cited by

FR2756207A1; US5030287A; WO2015197620A1; WO9823423A1; WO9828116A1

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