

Title (en)

METHOD AND APPARATUS FOR THE MANUFACTURE OF SLABS OF STONE MATERIAL

Title (de)

VERFAHREN UND VORRICHTUNG ZUM HERSTELLEN VON PLATTEN AUS STEINMATERIAL

Title (fr)

PROCEDE ET DISPOSITIF SERVANT A FABRIQUER DES DALLES EN MATERIAU PIERREUX

Publication

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Application

EP 00903588 A 20000119

Priority

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Abstract (en)

[origin: WO0043192A1] A starting mix is prepared, consisting of a granulate with controlled particle size and of a cementitious binder or one based on a hardenable resin, atmospheric mixing being carried out, after which the mix is fed in free fall conditions and under vacuum to a formwork (26) consisting of a plurality of moulding chambers (28) side by side arranged vertically, so as to bring about the de-aeration of the mix before it enters each moulding chamber (28). The formwork (26) has a vibratory motion imparted to it, so that the vibration acting also on the vertical walls of the moulding chambers effects the compacting of the mix in the chamber (28) itself and the completion of de-aeration, proceeding then to the hardening of the slabs and their removal from the formwork (26). Preferably, the moulding chambers (28) consist of vertical panels (30), mounted side by side in a bundle and having a peripheral shoulder (34) along three sides, while the fourth side, without a shoulder (34), identifies the opening for feeding the mix to the moulding chamber (28). The slabs are obtained with dimensions of more than 3 metres in length by more than 1 metre in width.

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