Title (en)

Automatic control system of press compaction.

Title (de)

Automatisches Regelungssystem für Formpressen.

Title (fr)

Système de contrÔle automatique pour presses de compactage.

Publication

EP 0594227 A1 19940427 (EN)

Application

EP 93200977 A 19930403

Priority

ES 9200963 A 19920508

Abstract (en)

It is especially applicable in the manufacture of tiles and pavement, obtaining these pieces upon compacting the granulate material (3) with a specific percentage of moisture, then followed by a drying, enameling, painting treatment, etc. and even kiln firing. The automatic control of compaction takes place upon distributing pressure sensors (1) in the mold itself of the press, built in the top (2) or bottom (3) punch, whereby making it possible to obtain data when pressing takes place. Therefore, the stability of the load is statistically controlled upon the sensors (1) communicating the force measured in differences of voltage, transforming these values into signals for a computer, by means of an amplifying system, processing these data to elaborate statistical values, etc., thus continuously informing about the pressing quality. The load correction is done by means of the intelligent feed slide that feeds the press that receives the corresponding orders with the value packages obtained by statistical evaluation. <IMAGE>

IPC 1-7

B30B 11/02; B28B 3/02

IPC 8 full level

B28B 17/00 (2006.01); **B30B 11/00** (2006.01)

CPC (source: EP)

B28B 17/0081 (2013.01); **B30B 11/005** (2013.01)

Citation (search report)

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