

Title (en)

METHOD FOR FABRICATING SLABS HAVING POLYSTYRENE ARCHES AND PRESTRESSED CONCRETE RIB AND MACHINE FOR FABRICATING SUCH SLABS

Title (de)

METHODE ZUR FABRIKATION VON BALKEN MIT POLYSTYREN-BÖGEN UND RIPPEN AUS VORGESPANNTEM BETON SOWIE MASCHINE ZUR HERSTELLUNG SOLCHER BALKEN

Title (fr)

PROCEDE DE FABRICATION DE HOURDIS POUR VOUTE EN POLYSTYRENE ET NERVURE EN BETON PRECONTRAIN ET MACHINE POUR FABRIQUER CES HOURDIS

Publication

EP 1180563 B1 20040922 (EN)

Application

EP 00927250 A 20000511

Priority

- ES 0000176 W 20000511
- ES 9901042 A 19990517

Abstract (en)

[origin: EP1180563A1] It relates to a process for fabricating vault type slabs or polystyrene with prestressed concrete buttresses, which employing a modified sliding extruding or moulding machine for continuous production on a pre-stress track, fills in and vibrates the concrete on the polystyrene vaults placed on the track. Said vaults have the shape of the top slab buttress cut out in the vault itself, and simultaneously as it concretes it the machine leaves an alveolus in the centre of each buttress. The prefabricated slab thus obtained is fully self supporting with the same thickness as the traditional forging which it replaces. It comprises two concrete buttresses preferably with a double T shape, and by addition on site of a steel containing compression layer, the building floor joist itself is obtained. <IMAGE>

IPC 1-7

E04B 5/06; **E04C 2/288**

IPC 8 full level

E04B 5/04 (2006.01); **E04B 5/36** (2006.01); **E04B 5/38** (2006.01)

CPC (source: EP)

E04B 5/04 (2013.01); **E04B 5/046** (2013.01); **E04B 5/36** (2013.01); **E04B 5/38** (2013.01)

Cited by

EP2146017A1; NL1026233C2; ES2173028A1; CN100449093C; ITAR20130031A1; CN100427712C; CN100427711C; ITMI20091542A1; CN107327064A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1180563 A1 20020220; **EP 1180563 B1 20040922**; AT E277241 T1 20041015; AU 4568800 A 20001205; DE 60014069 D1 20041028; ES 2161139 A1 20011116; ES 2161139 B1 20020616; PT 1180563 E 20050228; WO 0070162 A1 20001123

DOCDB simple family (application)

EP 00927250 A 20000511; AT 00927250 T 20000511; AU 4568800 A 20000511; DE 60014069 T 20000511; ES 0000176 W 20000511; ES 9901042 A 19990517; PT 00927250 T 20000511