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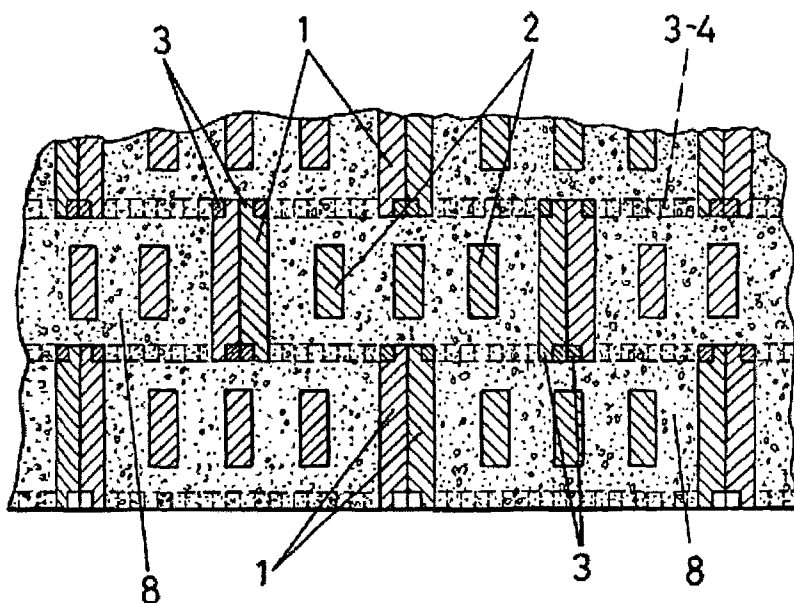
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(54) Title: FORMWORK ELEMENT

(54) Título: ELEMENTO DE ENCOFRADO



(57) Abstract: The invention relates to a formwork element which is specially designed for the construction of walls and similar. The inventive element comprises a hollow rectangular prismatic block or body (1') which is open at the lower and upper faces thereof and which is made from expanded polystyrene foam or another similar material. The edges of the aforementioned faces are provided with numerous small rectangular prismatic projections (3) in the form of cubes which define therebetween similarly-configured housings (4), the projections on the upper face being offset in relation to those on the lower face. In this way, when the bodies are stacked such that they are offset lengthways, a tongue-and-groove connection is created therebetween, ensuring optimum stability. Numerous bodies (1') can be stacked to produce

a level chamber which is closed at the inner and outer faces thereof and which can receive a mass of reinforced concrete forming the resistant element of the wall. According to the invention, the vertical reinforcements pass through the inner hollow space of the bodies (1') while the horizontal reinforcements pass through openings (6) in the smaller lateral walls (5) thereof.

(57) Resumen: Especialmente concebido para la confección de muros, paredes y similares, consiste en un cuerpo o bloque prismático-rectangular (1'), hueco, abierto por sus bases superior e inferior y obtenido en espuma de poliestireno expandido u otro material similar, contando en la periferia de sus bases con una pluralidad de pequeñas protuberancias prismático-rectangulare (3), a modo de dados, que definen entre sí alojamientos (4) de igual configuración, y quedando las protuberancias de su base superior desfasadas respecto a las de su base inferior, de manera que en el apilamiento entre cuerpos, con desfase longitudinal, se establece un acoplamiento machihembrado entre ellos que asegura una óptima estabilidad. Una pluralidad de cuerpos (1') configuran una cámara plana, cerrado tanto por sus caras interna como externa, capaz de recibir una masa de hormigón armado, constitutiva del elemento resistente del muro o pared, y cuyas armaduras verticales atraviesan

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/ES 03/00295

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 E04B 2/26 , 2/86 , E04C1/40 According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 E04B , E04C Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPI , EPODOC, MISTRAL, PAJ				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
Y	US 5086600 A (HOLLAND et al.) 11.02.1992 , the whole document	1-6		
Y	US 5428933 A (PHILIPPE) 04.07.1995, column 4, line s 38-67; figures 1-5.	1-6		
A	US 5724782 A (RICE et al.) 10.03.1998, the whole document	1-6		
A	US 5123222 A (GUARRIELLO et al.) 23.06.1992 , the whole document	1-5		
☐ Further documents are listed in the continuation of Box C. ☒ See patent family annex.				
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top; border: none;"> * Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed </td> <td style="width: 50%; vertical-align: top; border: none;"> "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family </td> </tr> </table>			* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family
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