

Title (en)
Interlocking modular element for construction of structures and furniture.

Title (de)
Ineinandergreifendes modulares Element für Baukonstruktionen und Möbel

Title (fr)
Élément modulaire emboîtable pour la construction de structures et de meubles

Publication
EP 2894270 A1 20150715 (EN)

Application
EP 14425002 A 20140114

Priority
EP 14425002 A 20140114

Abstract (en)
Modular interlocking element (200), preferably in wood material, for the construction of building structures and furniture characterized by: - preferably a parallelepiped shape; - an upper surface and a lower surface, respectively, with protrusions (201a, 201b,..., etc.) of preferably cylindrical shape, distributed on said upper surface, and with cavities (202a, 202b,..., etc.) having a geometrical shape complementary to that of the above protrusions (201 a, 201b,..., etc.), , distributed on said lower surface, which represent a first interlocking system in the vertical direction; - side surfaces respectively equipped with a protrusion (205) with geometric shape of a parallelepiped, with length equal to the height of the modular element, and a cavity (206) having a geometrical shape complementary to that of the above mentioned protrusion (205), to constitute a second interlocking system in the longitudinal direction; - holes (203a, 203b,..., etc.) drilled along the vertically length of the element placed at each respective protrusion and cavity that are located on the said upper and lower surfaces; - an internally hollow element (204), called spine or rod , cylindrical in shape, with a diameter corresponding to that of the holes in the element modular and with height preset and higher than the one of the single element, to be inserted in the holes themselves to mutually connect two or more similar elements, in such a way that the modular elements are mutually connected and joined together by means of the above mentioned systems of interlocking achieved with the aforementioned protrusions and cavities on the top, bottom and side surfaces and through the hollow cylindrical element that passes through in the vertical direction two or more overlapping elements, and in such a way that the hollow cylindrical element constitutes a possible housing for the cables of the building.

IPC 8 full level
E04C 1/39 (2006.01); **E04B 2/02** (2006.01); **E04B 2/18** (2006.01); **E04B 2/20** (2006.01)

CPC (source: EP)
E04B 2/18 (2013.01); **E04B 2/20** (2013.01); **E04C 1/397** (2013.01); **E04B 2002/0206** (2013.01); **E04B 2002/0223** (2013.01); **E04B 2002/0254** (2013.01)

Citation (applicant)
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2894270 A1 20150715

DOCDB simple family (application)
EP 14425002 A 20140114