

Title (en)
System, method and modular element for the construction of wooden buildings

Title (de)
System, Verfahren und Modularelement für den Holzbau

Title (fr)
Système, procédé et élément modulaire pour constructions en bois

Publication
EP 2149645 A1 20100203 (EN)

Application
EP 09009811 A 20090729

Priority
IT BO20080493 A 20080801

Abstract (en)
The invention relates to a system for the construction of wooden buildings, characterized in that it comprises: - a plurality of modular multilayer elements (1) provided with an inner layer (10) of insulating material enclosed between two layers of wood (11), each of these modular components (1) being provided with at least a connecting portion (12) complementarily shaped with respect to a corresponding portion (13) of another modular element to allow the matching of two or more of these elements (1) by coupling of their respective connecting portions (12, 13); - a plurality of supporting elements (2) connected to a fixed structure or base (3) and arranged spaced of a value substantially corresponding to the value of a dimension of these modular elements (1), so as to enable the stable positioning of the said modular elements (1) when these are coupled in correspondence of said connecting portions (12, 13).

IPC 8 full level
E04B 2/70 (2006.01); **E04C 1/40** (2006.01); **E04C 2/24** (2006.01); **E04C 3/29** (2006.01)

CPC (source: EP)
E04B 2/705 (2013.01); **E04C 1/40** (2013.01); **E04C 2/243** (2013.01)

Citation (search report)
• [Y] DE 356192 C 19220718 - FRANZ HAUCK
• [Y] US 2006248825 A1 20061109 - GARRINGER ROBERT [US]
• [Y] US 2007006539 A1 20070111 - GURSTEIN RUSSELL [US]
• [Y] DE 1609586 A1 19711111 - BILLERUDS AB
• [Y] DE 8504515 U1 19850523
• [A] CH 643025 A5 19840515 - SCAPOZZA NELLO [CH]
• [A] US 2004177575 A1 20040916 - POSSELT KLAUS [CA]

Cited by
EP2455558A1; EP3608483A1; NO20220507A1; NO347541B1; WO2020099898A1; EP3892786A1; IT202000007471A1

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2149645 A1 20100203; IT 1390933 B1 20111027; IT BO20080493 A1 20100202

DOCDB simple family (application)
EP 09009811 A 20090729; IT BO20080493 A 20080801