

Title (en)

METHOD FOR PROVIDING A WOOD BASED LOAD-BEARING PANEL FOR USE IN THE ASSEMBLING OF A CONSTRUCTION SYSTEM

Title (de)

VERFAHREN ZUR BEREITSTELLUNG EINER TRAGENDEN PLATTE AUF HOLZBASIS ZUR VERWENDUNG BEI DER MONTAGE EINES BAUSYSTEMS

Title (fr)

PROCÉDÉ POUR FOURNIR UN PANNEAU DE SUPPORT DE CHARGE À BASE DE BOIS POUR UNE UTILISATION DANS L'ASSEMBLAGE D'UN SYSTÈME DE CONSTRUCTION

Publication

**EP 4063579 A1 20220928 (EN)**

Application

**EP 21315050 A 20210323**

Priority

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Abstract (en)

The present invention relates to a method for providing a wood-based load-bearing panel (113.1, 114.1, 115.1) for use in the assembling of a construction system (100), wherein a position is allocated to the panel, a panel template is provided, at least one variation of the panel template is determined based on a variation of parameters so that the load-bearing capacity of the variation is comprised between 1 and 4 times the required vertical force that the variation must bear at the position of the panel, then a variation is selected, and the panel is manufactured from the selected variation. The invention also relates to a wood-based load-bearing panel (115.1) obtainable with such method, and to a construction system (100) including such panel (115.1).

IPC 8 full level

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CPC (source: EP US)

**E04B 1/10** (2013.01 - EP US); **E04C 2/386** (2013.01 - EP US); **E04C 2/40** (2013.01 - US)

Citation (applicant)

- WO 2013150188 A1 20131010 - TECHNIWOOD [FR], et al
- US 2019249431 A1 20190815 - BOUCHÔOU JEANNE [FR], et al
- ANNEX C: "Built-up columns", THE BUILT-UP COLUMNS CAN BE MODELLED FOR EACH STACK OF THE PANEL (OR VARIATION). THE CONTENT OF EUROCODE EN, 1 January 1995 (1995-01-01)

Citation (search report)

- [XI] WO 2019211403 A1 20191107 - UNIV DE LORRAINE [FR]
- [XI] DE 19834616 A1 20000203 - WEINRICH MANFRED [DE]

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