

Title (en)
MODULAR BUILDING CONSTRUCTION ELEMENTS AND METHOD

Title (de)
MODULARE GEBÄUDEBAUELEMENTE UND VERFAHREN

Title (fr)
ÉLÉMENTS DE CONSTRUCTION MODULAIRE DE BÂTIMENTS ET PROCÉDÉ

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Application
EP 22727395 A 20220520

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Abstract (en)
[origin: WO2022243699A1] The present invention relates to the field of building construction, and in particular modular construction techniques in which portions of buildings are constructed off-site. According to one aspect of the invention there is provided a floor element for a modular building comprising a generally planar orthogonal framework of beams, the framework being provided with a lower base boarding and an upper deck boarding which define a floor cavity therebetween, wherein the framework comprises at least two edge beams formed of a composite material, and a plurality of joists projecting from at least one of the edge beams, the joists being accommodated in the floor cavity, wherein the dimensions and shape of the edge beams and joists, and the thickness of the lower base boarding and upper deck boarding are all selected according to the predetermined requirements of each modular building for which the floor element is provided and wherein the enclosed floor cavity of the floor element forms a sealed unit to substantially restrict ingress of moisture within the cavity.

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