

Title (en)

A mounting system and a method for mounting a cantilever building element to an edge of a floor construction of a building

Title (de)

Befestigungsvorrichtung und Verfahren zur Montage eines Ausleger-Bauelements zu einer Kante einer Bodenkonstruktion eines Gebäudes

Title (fr)

Système et procédé de montage d'un élément de construction en porte-à-faux sur le bord d'une construction de plancher d'un bâtiment

Publication

**EP 3056620 A1 20160817 (EN)**

Application

**EP 15154510 A 20150210**

Priority

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Abstract (en)

A mounting system for mounting a cantilever building element (1) to an edge (4) of a floor construction (2) of a building comprises a floor construction (2) including an edge (4) which is provided with a support (5), a building element (1) which rests on the support (5) in mounted condition of the building element (1), and which comprises a coupling element (7) for fixing the building element (1) to the floor construction (2), a tension bar (9) which is fixed to the floor construction (2) at at least a main anchoring location (11) remote from the edge (4), before installing the building element (1), and which extends from the main anchoring location (11) towards the edge (4), wherein the coupling element (7) and the tension bar (9) have respective cooperating fixing portions (7a, 13) at which the coupling element (7) and the tension bar (9) can be fixed to each other so as to jointly transfer a horizontally directed tension force from the building element (1) to the floor construction (2) when the building element (1) is mounted to the floor construction (2), wherein the fixing portion (13) of the tension bar (9) is remote from the main anchoring location (11), wherein in the mounted condition the fixing portions (7a, 13) are located such that the resultant force of the coupling element (7) on the fixing portion (13) of the tension bar (9) in a direction along the line along which the resultant force in the tension bar (9) remote from its fixing portion (13) acts, acts along a line which is substantially aligned or nearly aligned to the line along which the resultant force in the tension bar (9) remote from its fixing portion (13) acts, as seen in at least one of the horizontal and vertical direction.

IPC 8 full level

**E04B 1/00** (2006.01)

CPC (source: EP)

**E04B 1/003** (2013.01)

Citation (search report)

- [X] EP 2354344 A2 20110810 - THOMAS KG [DE]
- [A] NL 1035733 C2 20100125 - SMITS FRANK BOUDEWIJN [NL]
- [A] DE 19502712 A1 19961002 - DENNERT KG VEIT [DE]
- [A] DE 19934570 A1 20010125 - VEIT DENNERT KG BAUSTOFFBETR [DE]

Citation (examination)

EP 0750076 A1 19961227 - SCHOECK BAUTEILE GMBH [DE]

Cited by

CN110230397A; US12012743B2; WO2023218029A1

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