

Title (en)
PANEL AND FURNITURE CONSTRUCTION SYSTEM

Title (de)
TAFELELEMENT UND MÖBELBAUSYSTEM

Title (fr)
PANNEAU ET SYSTÈME DE CONSTRUCTION DE MEUBLE

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Application
EP 18830406 A 20181211

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Abstract (en)
[origin: WO2019115509A1] The invention relates to a furniture construction system having panel elements (1; 1'; 1A, 1B, 1C; 201A, 201B, 201C, 201D, 201E, 201F; 301A, 301B; 401A, 401B, 401C, 401D; 601A, 601B) and connection elements (2; 2A, 2B, 2C; 202; 300, 320; 402; 602). Panel elements (1; 1'; 1A, 1B, 1C; 201A, 201B, 201C, 201D, 201E, 201F; 301A, 301B; 401A, 401B, 401C, 401D; 601A, 601B) can be joined together by means of connection elements (2; 2A, 2B, 2C; 202; 300, 320; 402; 602) at connection edges (101, 102, 103, 104; 101', 102', 103', 104') to form a two-dimensional or three-dimensional object. The furniture construction system is distinguished in that: the connection edges (101, 102, 103, 104; 101', 102', 103', 104') of each panel element (1; 1'; 1A, 1B, 1C; 201A, 201B, 201C, 201D, 201E, 201F; 301A, 301B; 401A, 401B, 401C, 401D; 601A, 601B) lie in a connection edge plane (Ei), wherein a connection face (111, 112, 113, 114; 111', 112', 113', 114') adjoins each of the connection edges (101, 102, 103, 104; 101', 102', 103', 104') of a panel element (1; 1'; 1A, 1B, 1C; 201A, 201B, 201C, 201D, 201E, 201F; 301A, 301B; 401A, 401B, 401C, 401D; 601A, 601B), each of said connection faces extending in a connection face plane (E2, E3, E4, E5; E2', E3', E4', E5'); each connection face plane (E2, E3, E4, E5; E2', E3', E4', E5') is inclined relative to the connection edge plane (Ei) at a mitre angle (a) which is greater than 0° and less than 90°; panel connectors (2; 2A, 2B, 2C; 202; 320; 402; 602) which have at least two legs (20, 22; 220, 222, 224, 226; 320', 320"; 420, 422, 424; 620, 622), one of which can be connected mechanically to a panel element (1; 1'; 1A, 1B, 1C; 201A, 201B, 201C, 201D, 201E, 201F; 301A, 301B; 401A, 401B, 401C, 401D; 601A, 601B), are provided as connection elements; and the panel elements (1; 1'; 1A, 1B, 1C; 201A, 201B, 201C, 201D, 201E, 201F; 301A, 301B; 401A, 401B, 401C, 401D; 601A, 601B) are provided, in the region of each connection face (111, 112, 113, 114; 111', 112', 113', 114'), with at least one recess (130, 131, 132, 133, 134, 135, 136, 137; 130', 131', 132', 134', 135', 137'; 132B, 137A; 230, 231, 232, 233, 234, 235; 332, 337; 432, 433, 435, 437; 632, 634) for receiving a leg (20, 22; 220, 222, 224, 226; 320', 320"; 420, 422, 424; 620, 622) of a panel connector (2; 2A, 2B, 2C; 202; 320; 402; 602).

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