

Title (en)
SPACE TRUSS STRUCTURE WITHOUT NODE PIECES

Title (de)
GITTERTRÄGERKONSTRUKTION OHNE KNOTENPUNKSTÜCKE

Title (fr)
STRUCTURE EN TREILLIS ESPACEE SANS ELEMENTS DE N UDS

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Application
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Abstract (en)
[origin: WO9625565A1] The invention relates to a space frame structure without nodes, the structure comprising first (1) and second (2) continuous upper chord profiles running crosswise relative to each other and first (3) and second (4) continuous lower chord profiles running crosswise relative to each other, as well as diagonal profiles (5) which connect junction points (6) of the upper chord profiles to junction points (7) of the lower chord profiles, whereby nodes are formed at which the diagonal profiles are connected to the chord profiles. Both the first and the second upper chord profiles, as well as the first and the second lower chord profiles, comprise each two flat flanges (11) which together form an apex angle (2 beta). The diagonal profiles (5) comprise each two continuous side surfaces which mutually form a spread angle. At the nodes (6, 7) the diagonal profiles (5) are by their side surfaces directly secured to both the first and the second upper chord profiles (1, 2) and, respectively, to both the first and the second lower chord profiles (3, 4), to their continuous flat flanges (11).

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