

Title (en)
METHOD OF CONSTRUCTION FOR MOUNTING FRAMED PLATE GIRDERS FOR BRIDGES AND HALLS AS WELL AS KIT OF CONJUGATED CONSTRUCTIONAL ELEMENTS

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Application
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Abstract (en)
[origin: EP0152518A1] 1. System for the manufacture of prefabricated assemblies of frame structures as spanning constructions and for halls in the form of complete sets of construction elements of which the one linear, torsion-resistant member (1) with a specially formed cross-section (11, 10, 9, 8, 9, 10, 11) is being shaped to a configuration of a frame girder with frame corners (4) by being partially severed and bend off at several points (4) thus producing a spanning or roof area, respectively, composed of the spanning member and abutment or a wall area, respectively, of one or several members in that but a fraction of the cross-section of the linear and torsion-resistant member (1) is being severed while the non-affected (not being severed) members is being bent ; this assembly being significant for the fact that, by being complemented with one of the subsequent frame angles (vepsiln1) and by due consideration of the envisaged plate (21/22) cut at an angle (vepsiln2) across to the axis of the member and of longitudinal cuts along the part forming the trough of the cross-section (8, 9), the two cut ends (21, 22, 8) can, on the flexure of the un-affected (non-cut part of the cross-section (10) of the member (1), be slid into and over each-other and the ends being thus overlapping, can be bent and pressed together enabling in this manner the establishing of connections on said overlapping ends, with and without exerting contact pressure, by connection elements such as screws or by welding ; the assembly system being, moreover, significant in that the frame construction can be torsionally resistant (7) or articulated (2) being mounted on a flat footing (6) as well as on a pile or sheet pile foundation (5), respectively.

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IPC 8 full level
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