

Title (en)
Constructional element

Title (de)
Bauelement

Title (fr)
Élément de construction

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Application
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Abstract (en)
[origin: EP0765985A1] The invention relates to a constructional element comprising a central hinging member (60,67,68,73-75) and a first and second connection plate (61,62,65,66,71,72), wherein the central member comprises at least a first arm (60,67) which is on each side hingingly connected to the connection plates, at least one of the connection plates comprising connection means (25,25') for attaching the at least one connection plate to a rigid body. A preferred embodiment of a constructional element comprises a central hollow member (2) and a first and second connection plate, wherein the central member comprises four arms (5-8), each arm having a base end (9,10) and a free end (15,16), a first and a second arm (5,6) being with their base ends (9) connected to the first connection plate (3) in a first lateral hinge point (21), a third and a fourth arm (7,8) being connected with their base ends (10) to the second connection plate in a second lateral hinge point (22), the free ends (15) of the first and third arm (5,7) being mutually connected in a first free hinge point (23), the free ends (16) of the second and fourth arm (6,8) being mutually connected in a second free hinge point (24), wherein at least one of the connection plates (3,4) comprises connection means (25,25',26,26';27,27') for attaching to a rigid body. The constructional element can be used as a door- or window frame and can connect window panes to a building at different orientations and can be adapted to different geometries. The constructional element can also be used to form constructions such as platforms, pyramids or geodesic domes. <IMAGE> <IMAGE> <IMAGE>

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