

Title (en)
Structural beam system

Title (de)
Stützbalkensystem

Title (fr)
Système de poutre structurel

Publication
EP 1978176 A2 20081008 (EN)

Application
EP 08153544 A 20080328

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Abstract (en)
The invention relates to a load-bearing structure for a building comprising a first set (1-1) of beams arranged substantially horizontally and a second set (1-2) of beams arranged at right angles in relation to the first set (1-1) of beams, said first (1-1) and second (1-2) sets of beams forming a frame, which confines a number of rectangular sections. Each frame section can be occupied by a panel, such as an infill, a window (I,II,III,IV,V,VI), a door or a solar energy collector. The beams of at least one set is provided with one or more feathers (3-1),(3-3), which in the mounted state, projects at substantially right angles to the frame plane, runs along substantially the entire length of the beam in parallel with the length axis thereof along the side of the beam so that no part of the feather projects above the upper level of the frame, and defines a groove (3-2),(3-4) running in parallel with the length axis of beam, the groove (3-2),(3-4) being located between the main portion of the beam and the feather (3-1),(3-3). Feathers (3-1),(3-3) and grooves (3-2),(3-4) may be provided on both sides of the beams. Windows (I,II,III,IV,V,VI) or other types of panels are mounted on the load-bearing structure by fitting grooves in the window frame or mounting brackets (3-6) secure thereto over the beam feathers (3-1),(3-3).

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Citation (applicant)
WO 2004055291 A1 20040701 - VKR HOLDING AS [DK], et al

Cited by
EP2547855A4; EP3779089A1; EP2472026A1; US11242686B2; WO2023186244A1

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