

Title (en)
SUPPORT OF SEGMENTED STRUCTURAL DESIGN

Title (de)
TRÄGER MIT VERSPANNTEN SEGMENTEN

Title (fr)
SUPPORT À STRUCTURE SEGMENTÉE

Publication
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Application
EP 18705857 A 20180207

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Abstract (en)
[origin: CA3052369A1] The support (10) according to the invention has at least one row (13) of segments (15) which are arranged on one another, wherein the row (13) preferably extends from one end (21a) of the support (10) to the opposite end (21b) of the support (10). In a preferred embodiment, the row (13) has extending therethrough at least one tensioning element (14) which can also be referred to as a tie rod and which is anchored at the ends (25a, b) of the row (13) and pretensioned with respect to the row (13) in order to hold the segments (15) of the row (13) together. Here, the adjacent segments (15) are braced with respect to one another at their end sides (24) by means of the tensioning element(s) (14), wherein one or more than one, if any, element, such as a metal sheet, for example, can be arranged between the end sides (24). The connection of adjacent segments (15) of the row (13) to one another by virtue of the pretensioning of the tensioning element(s) (14) of the row (13) with respect to the row (13) is preferably such that further connecting means for connecting the adjacent segments (15) of the row (13) are not required. Therefore, there is preferably no integrally bonded connection, such as, for instance, a welded connection, and/or a screw connection between two adjacent segments (15) of a row (13) for connecting the adjacent segments (15) to one another that would be loaded in tension along the longitudinal extent of the row (13) during the operational use of the support (10) in a mounted device (33, 34). The support (10) can be provided at a use location in that the individual segments (15) are transported to the use location and only there arranged to form the row (13) and braced by means of the tensioning element (14).

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