

Title (en)
INFLATABLE CONSTRUCTION

Title (de)
AUFBLASBARE STRUKTUR

Title (fr)
STRUCTURE GONFLABLE

Publication
EP 0732963 A1 19960925 (EN)

Application
EP 95903488 A 19941206

Priority
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Abstract (en)
[origin: WO9515787A1] Inflatable construction comprising a supporting element (1) with walls (2, 3) of a flexible fabric material defining an inner compartment (4). The inner compartment is arranged to be filled with gas under such pressure that the material is tensioned and thus imparts stiffness to the support element. When, however, the compartment is emptied of gas, the element is collapsible under folding of the material. In addition to the fabric material, the walls (2, 3) consist of sheets (6) of a semi-rigid bendable sheet material. These sheets allow folding-up or rolling-up of the support element when the compartment (4) is emptied of gas. In an inflated condition of the element (1), the sheets are bent together with the fabric material and form a channel-shape. Due to the chosen semi-rigid material, the element thus receives a considerable bending stiffness. A plurality of elements of this type can be assembled to create constructions such as evacuation slides, bridges etc.

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