

Title (en)
Modular inflatable structure.

Title (de)
Modulares aufblasbares Gebilde.

Title (fr)
Structure modulaire gonflable.

Publication
EP 0145623 A2 19850619 (FR)

Application
EP 84420201 A 19841205

Priority
• FR 8320150 A 19831209
• FR 8416823 A 19841030

Abstract (en)
1. A modular inflatable structure including a plurality of inflatable and independent supporting elements (1) in the general form of air tubes forming together a framework supporting a covering canvas in the form of an arch, each element having a ground abutting lower end and an upper end connected with a connecting organ assembling mechanically the upper ends of all the supporting elements, characterized in that each supporting element (1) is arranged to have a bent longitudinal profile with the lower ends thereof are arranged to be coupled with ground abutting base plates (19) which can be weighted while the upper ends are connected tangentially or approximately tangentially in the direction of the connecting organ (0) which is moreover provided with a feeding pneumatic connection (23) to be connected to a source of pressure fluid and of distributing pneumatic connections (25) in communication with the preceding one for a sealed connection with each one of the upper ends of the supporting elements, in order to permit a simultaneous inflating of all the supporting elements for automatically putting into shape and developing spatially the structure in combination with the base plates (19).

Abstract (fr)
Des éléments gonflables indépendants (1) sous forme de boudins notamment, sont conformés et agencés à l'une de leurs extrémités pour être maintenus au sol selon un écartement déterminé, l'autre extrémité de ces éléments étant conformée et agencée avec des moyens particuliers pour être réunie à au moins un organe de liaison (0) de sorte que, après gonflage simultané de chacun des éléments, la structure est automatiquement mise en forme; lesdits éléments (1) recevant une toile de recouvrement étanche (13).

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E04H 15/20 (2013.01); **E04H 2015/201** (2013.01)

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