

Title (en)  
**MODULAR INFLATABLE STRUCTURE**

Publication  
**EP 0145623 B1 19880907 (FR)**

Application  
**EP 84420201 A 19841205**

Priority  
• FR 8320150 A 19831209  
• FR 8416823 A 19841030

Abstract (en)  
[origin: EP0145623A2] 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).

IPC 1-7  
**E04H 15/20**

IPC 8 full level  
**E04H 15/20** (2006.01)

CPC (source: EP)  
**E04H 15/20** (2013.01); **E04H 2015/201** (2013.01)

Cited by  
US5497633A; DE10029897B4; EP0403981A3; WO9535471A1

Designated contracting state (EPC)  
AT BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0145623 A2 19850619; EP 0145623 A3 19850710; EP 0145623 B1 19880907; DE 3473901 D1 19881013**

DOCDB simple family (application)  
**EP 84420201 A 19841205; DE 3473901 T 19841205**