

Title (en)

MODULAR CONSTRUCTION SYSTEM COMPOSED OF JOINTS AND SHAFTS FOR SPATIAL FRAMEWORK STRUCTURES

Publication

EP 0053582 B1 19880302 (FR)

Application

EP 81830116 A 19810714

Priority

IT 4045480 A 19801203

Abstract (en)

[origin: EP0053582A1] 1. Joint for spatial framework structures in geometric module with pyramidal base and tetrahedral (fig.1) in which converge same shafts endowed with spheres at the tips directed in every direction in the space, it is composed of two parts jointed together by one central bolt, it is characterized by two caps of changeable thickness, semispheric and hollow, in which converge twelve shafts (7) (fig. 3) endowed with one sphere (9) through one pipe (8), four horizontal and eight oblique, they are characterized by four large slits (4) orthogonal to each other, to allow the introduction of the spheric terminals of the oblique shafts, and characterized by four semicircular holes (5) to allow the introduction of spheric terminals of the four horizontal shafts, so that the central bolt (1) that cross the hole of the cap is tangent to the spheres of the shafts and at the same time all the spheres are tangent to the hemispheric inside surface of the two caps when these caps are assembled with the introduction of the terminal of the shafts in the slits (4) and (5), allowing their rotation in every direction in the space after the blockage.

IPC 1-7

E04B 1/19; **E04B 1/58**

IPC 8 full level

E04B 1/19 (2006.01); **E04B 1/58** (2006.01)

CPC (source: EP)

E04B 1/1906 (2013.01); **E04B 2001/1927** (2013.01); **E04B 2001/1969** (2013.01); **E04B 2001/1984** (2013.01); **E04B 2001/1987** (2013.01)

Cited by

FR2566851A1; ES2168982A1; GB2300240A; EP0183219A1; DE102007014833A1; GB2149875A; DE8712119U1; CN105986620A; GB2224552A; GB2224552B; GB2150998A; WO9840579A1; WO9413895A1; WO9010126A1; WO8701150A1

Designated contracting state (EPC)

AT BE CH DE FR GB LI LU NL SE

DOCDB simple family (publication)

EP 0053582 A1 19820609; **EP 0053582 B1 19880302**; AT E32761 T1 19880315; DE 3176669 D1 19880407; IT 1209778 B 19890830; IT 8040454 A0 19801203

DOCDB simple family (application)

EP 81830116 A 19810714; AT 81830116 T 19810714; DE 3176669 T 19810714; IT 4045480 A 19801203