

Title (en)
MAST-LIKE THREE DIMENSIONAL FRAMEWORK STRUCTURE

Publication
EP 0158950 B1 19900404 (DE)

Application
EP 85104204 A 19850406

Priority
DE 3414220 A 19840414

Abstract (en)
[origin: US4574535A] A mast-type, three-dimensional framework structure of rectangular cross section with four diagonally-braced frames which form the sides of the framework structure and all of which are manufactured from tubes and tubular joints made from fibre-reinforced plastics. The diagonally-braced frames are so interconnected by means of hinged connections on their longitudinal members that they can be folded flat in such a way that two adjacent diagonally-braced frames lie in each case on top of the two opposite diagonally-braced frames. Between the longitudinal members of two opposite corners of the framework structure, fixed-length cables are fitted which, when the structure is unfolded, form a stay in one of the diagonals. Between the outer opposite corners, which are on the outside when the structure is folded, there are low-friction cable deflectors for a tensioning cable. The structure is unfolded by means of the tensioning cable and at the same time this forms a stay in the second diagonal of the unfolded framework structure.

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E04H 12/18

IPC 8 full level
E04B 1/19 (2006.01); **E04H 12/18** (2006.01)

CPC (source: EP US)
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Cited by
CN101787732A; DK201170676A; CN108374490A; DE4211380A1; US5390452A; WO2013083802A3

Designated contracting state (EPC)
DE FR GB IT

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