

Title (en)
SPACE FRAME STRUCTURE

Title (de)
RAUMFACHWERKSTRUKTUR

Title (fr)
STRUCTURE DE BÂTI D'ESPACE

Publication
EP 3862497 A1 20210811 (EN)

Application
EP 20156423 A 20200210

Priority
EP 20156423 A 20200210

Abstract (en)
A space frame structure (1) comprises a plurality of nodes (10) and a plurality of struts (20). Each strut (20) connects two nodes (10) of the plurality of nodes (10). Each strut (20) has a longitudinal direction (B), two ends and a connector (21) at each end. Each node (10) has a plurality of receivers (11) for receiving connectors (21). Each receiver (11) comprises a lateral insertion opening for inserting one of the connectors (21) of one of the struts (20) in an insertion direction (A). The insertion direction (A) is substantially perpendicular to the longitudinal direction (B) of the strut (20). A connector (21) of a strut (20) is connected to a receiver (11) of a node (10) by a snap-fit connection.

IPC 8 full level
E04B 1/19 (2006.01)

CPC (source: EP)
E04B 1/19 (2013.01); **E04B 1/1906** (2013.01); **E04B 2001/1957** (2013.01); **E04B 2001/1966** (2013.01)

Citation (applicant)
GB 2132306 A 19840704 - SATTERWHITE RANDALL GRIFFIN

Citation (search report)
• [X] WO 2006123337 A2 20061123 - LAVI EREZ [IL], et al
• [I] US 2895753 A 19590721 - FENTIMAN ARTHUR E
• [I] US 6378265 B1 20020430 - KONSTANDT MATIAS [AR]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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