

Title (en)  
SPACE TRUSS

Title (de)  
RAUMFACHWERK

Title (fr)  
STRUCTURE SPATIALE

Publication  
**EP 1496166 A4 20070530 (EN)**

Application  
**EP 03710339 A 20030313**

Priority  
• JP 0303011 W 20030313  
• JP 2002068549 A 20020313

Abstract (en)  
[origin: EP1496166A1] A space trust in which the numbers of chord members in the vertical directions and in the horizontal directions and diagonal members are decreased for simplifying fabricating work and the like is obtained. <??>Chord members 2a, 2b, 3a and 3b in the vertical directions and in the horizontal directions in an upper lattice 2 and in a lower lattice 3, respectively, are formed by arranging long rod members 8 having a length twice as long as the distance between intersection points in a lattice, and by coupling coupling portions 8a at ends of long rod members 8 intersecting with a long rod member 8 to the center of the latter long rod member 8, and the diagonal members 4a and 4b coupling intersection points 5 and 6 of the chord members of both of the lattices 2 and 3 with each other are severally formed by arranging bent rod members 10 shaped in a letter V in a lattice, and by coupling coupling portions 10a at ends of the bent rod members 10 intersecting with a bent rod member 10 to the center the bent rod member 10. <IMAGE>

IPC 1-7  
**E04B 1/19**

IPC 8 full level  
**E04B 1/19** (2006.01); **E04B 1/58** (2006.01)

CPC (source: EP KR US)  
**E04B 1/19** (2013.01 - EP KR US); **E04C 3/04** (2013.01 - KR); **E04B 2001/193** (2013.01 - EP US); **E04B 2001/1954** (2013.01 - EP US); **E04B 2001/1975** (2013.01 - EP US); **E04B 2001/1984** (2013.01 - EP US)

Citation (search report)  
• [A] BE 895191 A 19830316 - UTEMA TRAVHYDRO S A  
• [A] WO 8804345 A1 19880616 - PLASFAB PTY LTD [AU]  
• [A] FR 1417350 A 19651112 - VALLOUREC  
• See references of WO 03076733A1

Cited by  
RU2620114C1; EP2708665A1; EP2708666A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1496166 A1 20050112; EP 1496166 A4 20070530**; AU 2003221373 A1 20030922; CA 2495658 A1 20030918; CN 1650075 A 20050803; JP 2003268872 A 20030925; KR 20050002851 A 20050110; US 2005144884 A1 20050707; WO 03076733 A1 20030918

DOCDB simple family (application)  
**EP 03710339 A 20030313**; AU 2003221373 A 20030313; CA 2495658 A 20030313; CN 03809504 A 20030313; JP 0303011 W 20030313; JP 2002068549 A 20020313; KR 20047014205 A 20030313; US 50729005 A 20050128