

Title (en)  
Grid structure

Title (de)  
Gittertragwerk

Title (fr)  
Poutre en treillis

Publication  
**EP 2239384 A3 20130424 (DE)**

Application  
**EP 10007358 A 20070309**

Priority  
• EP 07723158 A 20070309  
• DE 202006008237 U 20060523  
• DE 202006008770 U 20060602

Abstract (en)  
[origin: EP2239385A2] The girder has lattice bars (20, 30, 40, 50) connected with each other in an articulated manner. Repeating successive structures are spreaded into a pyramid-like or pyramid-frustum-like structure (10), where a point of the repeating successive structure stays in connection with a base area (11) of the adjacent structure or forms a part of the base area of the adjacent structure. The lattice bars are arranged at vertices of the base area of the spreaded structure, where the lattice bars interconnect the structures with each other.

IPC 8 full level  
**E04B 1/19** (2006.01); **E04B 1/344** (2006.01)

CPC (source: EP)  
**E01D 6/00** (2013.01); **E01D 15/124** (2013.01); **E02B 3/06** (2013.01); **E02B 3/106** (2013.01); **E02B 3/12** (2013.01); **E04B 1/19** (2013.01); **E04B 1/3441** (2013.01); **E04C 3/005** (2013.01); **E04H 12/10** (2013.01); **E21D 11/14** (2013.01); **E01D 2101/30** (2013.01)

Citation (search report)  
• [I] US 2003172966 A1 20030918 - DOTTERWEICH MARTIN J [US], et al  
• [I] US 2003024203 A1 20030206 - KUO YI-CHING [TW]  
• [A] DE 202004015072 U1 20060209 - DAAS KAMAL [IL], et al

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

DOCDB simple family (publication)  
**DE 202006008770 U1 20070927**; AT E487009 T1 20101115; CY 1111303 T1 20150805; DE 502007005565 D1 20101216; DK 2029823 T3 20110221; EP 2029823 A1 20090304; EP 2029823 B1 20101103; EP 2239384 A2 20101013; EP 2239384 A3 20130424; EP 2239385 A2 20101013; EP 2239385 A3 20130424; ES 2359457 T3 20110523; PL 2029823 T3 20110531; PT 2029823 E 20110119; SI 2029823 T1 20110331; WO 2007134659 A1 20071129

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