

Title (en)
Lattice girder

Title (de)
Gitterträger

Title (fr)
Poutre en treillis

Publication
EP 2050887 A3 20101020 (DE)

Application
EP 08016885 A 20080925

Priority
DE 202007014677 U 20071019

Abstract (en)
[origin: EP2050887A2] The girder (1) has walings (4) passing in a longitudinal direction of the girder and a cross stay chain (5) welded at the walings. The chain has upper bends (6) between diagonally bent vertical bars (2, 3). Anchorage elements (7) i.e. round or flat steel bar sections, are attached to the bends of the chain upwardly and/or downwardly in the girder for applying bar forces in a concrete of a cover e.g. flat slab. Free gaps (Z) are formed between the elements in a longitudinal direction of the girder without the walings.

IPC 8 full level
E04C 5/065 (2006.01)

CPC (source: EP)
E04C 5/065 (2013.01)

Citation (search report)

- [X] EP 0980938 A2 20000223 - LEHRHUBER KONRAD [DE]
- [XI] GB 959044 A 19640527 - RHEINBAU GMBH
- [XY] DE 20309363 U1 20040722 - FILIGRAN TRAEGERSYSTEME [DE], et al
- [XD] EP 1433908 A1 20040630 - FIMUREX [FR]
- [A] GB 830490 A 19600316 - STEFAN KELLER
- [YA] FURCHE J ET AL: "FLACHDECKEN IN ELEMENTBAUWEISE EINSATZ DER FILIGRAN-DURCHSTANZBEWEHRUNG//FLAT SLABS CONSTRUCTED WITH PRECAST SLABS WITH CAST IN-SITU CONCRETE TOPPING USE OF FILIGRAN PUNCHING SHEAR REINFORCEMENT", BFT INTERNATIONAL, BAUVERLAG, GUTERSLOH, DE, vol. 69, no. 4, 1 January 2003 (2003-01-01), pages 36 - 38,40, XP001164080, ISSN: 0373-4331

Cited by
JP2015528533A; EP2698484A1; US9469993B2; WO2014026781A1; CN110397220A; KR20150042267A; CN104619935A

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

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2050887 A2 20090422; EP 2050887 A3 20101020; EP 2050887 B1 20120222; AT E546598 T1 20120315; DE 202007014677 U1 20090226; DK 2050887 T3 20120611; PL 2050887 T3 20120629; RU 2008140354 A 20100420; RU 2392397 C1 20100620

DOCDB simple family (application)
EP 08016885 A 20080925; AT 08016885 T 20080925; DE 202007014677 U 20071019; DK 08016885 T 20080925; PL 08016885 T 20080925; RU 2008140354 A 20081010