

Title (en)

SUPPORTING BEAM FOR SLAB SYSTEMS, SLAB SYSTEM AND RESPECTIVE PRODUCTION METHOD

Title (de)

TRAGBALKEN FÜR DECKENSYSTEME, DECKENSYSTEM UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)

SOMMIER POUR DES SYSTÈMES DE PLAFONDS, UN SYSTÈME DE PLAFONDS ET UNE MÉTHODE DE FABRICATION RESPECTIVE

Publication

**EP 3344823 B1 20210303 (DE)**

Application

**EP 16759753 A 20160831**

Priority

- DE 202015104628 U 20150901
- EP 2016070498 W 20160831

Abstract (en)

[origin: CA2996993A1] The invention relates to a supporting beam of composite structure for ceiling systems which are also of a composite structure and which are made at least in sections of concrete, said supporting beam comprising a support, in particular a steel support, which has a base plate and at least one, preferably two webs which, for this purpose, are arranged at an angle, preferably in a perpendicular manner. The invention is characterized in that a space, which is delimited by the web(s) and the base plate, is filled at least in sections with concrete.

IPC 8 full level

**E04B 5/29** (2006.01); **E04C 3/293** (2006.01)

CPC (source: EP US)

**E04B 5/29** (2013.01 - EP US); **E04B 9/06** (2013.01 - US); **E04C 3/293** (2013.01 - EP US); **E04C 5/0618** (2013.01 - EP US)

Citation (opposition)

Opponent : Peikko Group Corporation

- FI 980993 A 19991106 - ESPAK OY [FI]
- FI 990662 A 20000926 - TERAEELEMENTTI OY [FI]
- US 2004182027 A1 20040923 - BONACCI NATALE [AU], et al
- EP 0292449 A2 19881123 - THOR JORGEN
- EP 1416101 A1 20040506 - TARTUNTAMARKKINOINTI OY [FI]
- WO 2004090253 A1 20041021 - TERAESPEIKKO OY [FI], et al
- EP 2405070 A2 20120111 - DELTASTAAL B V [NL]
- GB 1431191 A 19760407 - TAYLOR R
- ANONYMOUS: "DELTABEAM® Slim Floor Structure - Slim Floor Structure with Integrated Fireproofing", TECHNICAL MANUAL, PEIKKO GROUP, 1 August 2014 (2014-08-01), XP055758618

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

DOCDB simple family (publication)

**DE 202015104628 U1 20161205**; CA 2996993 A1 20170309; CA 2996993 C 20231003; CN 108291401 A 20180717; CN 108291401 B 20210316; DK 3344823 T3 20210329; DK 3344823 T4 20240521; EP 3344823 A1 20180711; EP 3344823 B1 20210303; EP 3344823 B2 20240417; EP 3885506 A1 20210929; ES 2860674 T3 20211005; FI 3344823 T4 20240515; HK 1256302 A1 20190920; HU E053574 T2 20210728; LT 3344823 T 20210412; MY 191103 A 20220530; PH 12018500420 A1 20180829; PL 3344823 T3 20210802; PL 3344823 T5 20240603; PT 3344823 T 20210406; SG 11201801645U A 20180328; US 10407910 B2 20190910; US 2018291626 A1 20181011; WO 2017037106 A1 20170309

DOCDB simple family (application)

**DE 202015104628 U 20150901**; CA 2996993 A 20160831; CN 201680050724 A 20160831; DK 16759753 T 20160831; EP 16759753 A 20160831; EP 2016070498 W 20160831; EP 21159926 A 20160831; ES 16759753 T 20160831; FI 16759753 T 20160831; HK 18115367 A 20181130; HU E16759753 A 20160831; LT 16759753 T 20160831; MY PI2018000305 A 20160831; PH 12018500420 A 20180226; PL 16759753 T 20160831; PT 16759753 T 20160831; SG 11201801645U A 20160831; US 201615756492 A 20160831