

Title (en)

METHOD FOR PRODUCTION OF A FLOOR STRUCTURE OF STEEL AND CONCRETE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER BODENSTRUKTUR AUS STAHL UND BETON

Title (fr)

PROCEDE DE PRODUCTION D UNE STRUCTURE DE PLANCHER COMPOSEE D ACIER ET DE BETON

Publication

**EP 1877632 A4 20100616 (EN)**

Application

**EP 06733379 A 20060502**

Priority

- SE 2006000524 W 20060502
- SE 0500998 A 20050502

Abstract (en)

[origin: WO2006118528A1] A floor structure beam of steel and concrete comprises, on the one hand, an elongate steel body (10), comprising a lower longitudinally extending steel plate (11) and a plurality of steel bolts (12), welded to the steel plate (11) and extending in an upward direction from said plate and, on the other hand, a longitudinally extending concrete element (17), cast upon the steel plate (11) and wherein the steel body (10) is anchored by means of said bolts (12). The concrete element (17) as a whole is produced by casting concrete upon the steel plate (11) only when the steel body (10) has been placed in the intended position therefor in a floor structure (16). The bolts (12) define free spaces (23) therebetween in which pipes (19) can be placed before the step of casting the concrete element (17).

IPC 8 full level

**E04B 5/32** (2006.01); **E04B 1/41** (2006.01); **E04B 5/23** (2006.01); **E04B 5/29** (2006.01); **E04B 5/48** (2006.01); **E04C 3/293** (2006.01)

CPC (source: EP SE)

**E04B 1/4107** (2013.01 - EP); **E04B 5/23** (2013.01 - SE); **E04B 5/263** (2013.01 - EP); **E04B 5/29** (2013.01 - EP SE); **E04B 5/32** (2013.01 - EP SE); **E04B 5/36** (2013.01 - EP); **E04B 5/40** (2013.01 - EP); **E04B 5/48** (2013.01 - EP SE); **E04C 3/293** (2013.01 - SE); **E04C 5/0645** (2013.01 - EP)

Citation (search report)

- [X] DE 4113028 A1 19921022 - GRIMM FRIEDRICH BJOERN [DE]
- [X] US 4309125 A 19820105 - RICHARDSON GEORGE S
- [X] FR 2698111 A1 19940520 - RAZEL FRERES ENTR [FR]
- [X] FR 2627526 A1 19890825 - RORET JEAN [FR]
- [X] WO 9322082 A1 19931111 - TRW INC [US]
- [A] WO 2004031507 A1 20040415 - UNIV WESTERN SYDNEY [AU], et al
- [A] DE 29507704 U1 19950706 - QUINTING RENE [DE]
- See also references of WO 2006118528A1

Cited by

CN106284788A; CN112343232A; CN115030383A

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2006118528 A1 20061109**; AT E529581 T1 20111115; DK 1877632 T3 20120123; EP 1877632 A1 20080116; EP 1877632 A4 20100616; EP 1877632 B1 20111019; NO 20075590 L 20071203; NO 338839 B1 20161024; SE 0701921 L 20070827; SE 530934 C2 20081028

DOCDB simple family (application)

**SE 2006000524 W 20060502**; AT 06733379 T 20060502; DK 06733379 T 20060502; EP 06733379 A 20060502; NO 20075590 A 20071105; SE 0701921 A 20070827