

Title (en)

HOLLOW CORE SLAB WITH IMPROVED FIRE RESISTANCE

Title (de)

HOHLKERNPLATTE MIT VERBESSERTER BRANDBESTÄNDIGKEIT

Title (fr)

DALLE À C UR CREUX AVEC RÉSISTANCE AU FEU AMÉLIORÉE

Publication

EP 2478165 A1 20120725 (EN)

Application

EP 10760124 A 20100915

Priority

- EP 09170369 A 20090915
- EP 10159542 A 20100409
- NL 2010050593 W 20100915
- EP 10760124 A 20100915

Abstract (en)

[origin: WO2011034420A1] Hollow core slab (1) comprising a top flange (5) and a bottom flange (6), a plurality of voids (3) and webs (4) between said voids and extending between said bottom and top flange. The hollow core slab is provided with one or more constructive elements for reducing the shear and/or bending force in the webs and/or for increasing the shear and/or bending resistance or capacity of the webs. Such constructive elements may comprise e.g. non-vertical webs (11), expansion joints (12), non-homogeneous material distribution (13) in the slab, small outer cores (14), preferably positioned at the side of the top flange, wide outer webs and/or absence of outer cores, bottom corner not significantly rounded off (16), vertical outer edges (17), reinforcement means (18) in the bottom flange, reinforcement means (19) in at least part of the webs.

IPC 8 full level

E04B 5/04 (2006.01); **E04B 5/26** (2006.01); **E04B 5/38** (2006.01); **E04C 2/288** (2006.01)

CPC (source: EP)

E04B 5/043 (2013.01); **E04B 5/265** (2013.01); **E04B 5/38** (2013.01); **E04C 2/06** (2013.01)

Citation (search report)

See references of WO 2011034420A1

Citation (examination)

- DE 10037766 A1 20020214 - HOCHTIEF FERTIGTEILBAU GMBH [DE]
- DE 2926563 A1 19810122 - HOFMANN HANSJOERG

Designated contracting state (EPC)

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