

Title (en)
COMPOSITE BUILDING SLAB, PARTICULARLY FOR SECTIONAL FALSE FLOORS

Publication
EP 0295417 B1 19920115 (DE)

Application
EP 88107389 A 19880507

Priority
DE 3720238 A 19870619

Abstract (en)
[origin: EP0295417A2] In previous composite building slabs for sectional false floors, which are supported at their four corners and consist of an upwardly open trough produced from tension-proof material and of a filling of compression-proof material, e.g. anhydrite, a greater deflection is produced, under load, at the edge of the slab than in the centre of the slab, which is undesirable. In order substantially to even out the load-bearing capacity and security of composite building slabs of the above type against breaking at the edge of and in the centre of the slab, provision is made on the side walls (6g) of the trough (3g) for a reinforcement which is virtually at the height of the slab and is non-positively connected to the base (5) of the trough. In addition or alternatively to this, it is also possible to increase at least twofold the density and strength of the filling (2) in the edge region of the composite building slab (10g) relative to the remaining region towards the centre of the slab. <IMAGE>

IPC 1-7
B28B 13/02; **E04C 2/28**; **E04F 15/024**

IPC 8 full level
B28B 1/00 (2006.01); **B28B 13/02** (2006.01); **B28B 19/00** (2006.01); **B28B 23/00** (2006.01); **E04C 2/28** (2006.01); **E04F 15/024** (2006.01)

CPC (source: EP US)
B28B 1/008 (2013.01 - EP US); **B28B 13/02** (2013.01 - EP US); **B28B 19/00** (2013.01 - EP US); **B28B 23/0018** (2013.01 - EP US); **E04F 15/02429** (2013.01 - EP US); **Y10T 428/24331** (2015.01 - EP US); **Y10T 428/24669** (2015.01 - EP US); **Y10T 428/24777** (2015.01 - EP US); **Y10T 428/2495** (2015.01 - EP US); **Y10T 428/24992** (2015.01 - EP US); **Y10T 428/26** (2015.01 - EP US)

Cited by
EP0451619A1; CN105297977A; WO2009042229A1; US7770345B2; US7810299B2

Designated contracting state (EPC)
AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0295417 A2 19881221; **EP 0295417 A3 19890510**; **EP 0295417 B1 19920115**; AT E71687 T1 19920215; CA 1302112 C 19920602; DE 3720238 A1 19890105; DE 3720238 C2 19890608; DE 3867715 D1 19920227; DK 163315 B 19920217; DK 163315 C 19920713; DK 280688 A 19881220; DK 280688 D0 19880520; ES 2028933 T3 19920716; NO 164051 B 19900514; NO 164051 C 19900822; NO 882706 D0 19880617; NO 882706 L 19890330; US 5057355 A 19911015

DOCDB simple family (application)
EP 88107389 A 19880507; AT 88107389 T 19880507; CA 569929 A 19880620; DE 3720238 A 19870619; DE 3867715 T 19880507; DK 280688 A 19880520; ES 88107389 T 19880507; NO 882706 A 19880617; US 20813288 A 19880725