

Title (en)

PLANAR CONCRETE SUPPORTING STRUCTURE AND METHOD OF PRODUCING IT

Title (de)

FLÄCHIGE BETON-TRAGKONSTRUKTION SOWIE VERFAHREN ZUR HERSTELLUNG DERSELBEN

Title (fr)

CONSTRUCTION PORTEUSE ENBÉTON PLANE ET PROCÉDÉ DE RÉALISATION DE CELLE-CI

Publication

**EP 2024580 A1 20090218 (DE)**

Application

**EP 07718471 A 20070530**

Priority

- AT 2007000260 W 20070530
- AT 9332006 A 20060530
- AT 842007 A 20070117

Abstract (en)

[origin: WO2007137318A1] A planar concrete supporting structure, in particular a reinforced-concrete supporting structure, such as a reinforced-concrete floor, characterized by the combination of the following features: a concrete slab (1), the thickness (D) of which is less than the overall thickness of the concrete supporting structure and intersecting ribs (2) which are each connected with an end region (3) to the concrete slab (1) in a force-transmitting manner and project freely upwards from the concrete slab (1), i.e. without being integrated in a further supporting surface structure, wherein their top end regions (4) are designed to absorb compressive and/or tensile forces and wherein the ribs (2) are each connected to one another in a frictional manner at the intersection points (9) and their regions lying in each case between the top and bottom end regions (3,4) have at least one aperture (6).

IPC 8 full level

**E04B 5/28** (2006.01)

CPC (source: EP US)

**E04B 5/28** (2013.01 - EP US); **E04B 5/38** (2013.01 - EP US)

Citation (search report)

See references of WO 2007137318A1

Citation (examination)

- EP 1609924 A1 20051228 - WIND JAN [NL]
- FR 1536702 A 19680816 - GILBERT ASH LTD
- US 2137009 A 19381115 - STROMBERG JOHN A
- US 3788012 A 19740129 - ARNOLD S

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Designated extension state (EPC)

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