

Title (en)

Device for reinforcing a concrete structure against punching around the support area of a floor slab and punching reinforcing element for same

Title (de)

Anordnung zum Bewehren eines Betonbauwerkes gegen Durchstanzen im Bereich der Auflage eines Deckenelementes auf einer Stütze sowie Durchstantbewehrungselement hierfür

Title (fr)

Dispositif d'armature d'une structure en béton contre le poinçonnement aux alentours de la zone d'appui d'une dalle et élément d'armature de poinçonnement relatif

Publication

EP 2166172 B1 20130522 (DE)

Application

EP 09012090 A 20090923

Priority

DE 202008012547 U 20080923

Abstract (en)

[origin: EP2166171A1] The arrangement has a set of anchor elements (14) concreted at a distance to each other in a local zone for supporting ceiling areas in a ceiling and oriented transverse or diagonally bent to a ceiling surface. The anchor elements are aligned along a shear reinforcement element (12), where the anchor element is designed as twin-headed anchor. The shear reinforcement element is designed as metal strips or strut elements that are inclinedly arranged at an angle in an extending direction of the anchor elements.

IPC 8 full level

E04B 5/43 (2006.01); **E04C 5/06** (2006.01)

CPC (source: EP)

E04B 5/43 (2013.01); **E04C 5/0645** (2013.01)

Cited by

US2012023858A1

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

DE 202008012547 U1 20100211; EP 2166171 A1 20100324; EP 2166171 B1 20190522; EP 2166172 A1 20100324; EP 2166172 B1 20130522; PL 2166171 T3 20191031

DOCDB simple family (application)

DE 202008012547 U 20080923; EP 09012089 A 20090923; EP 09012090 A 20090923; PL 09012089 T 20090923