

Title (en)

Connection of a reinforced concrete element to at least one other building element.

Title (de)

Verbindung von einem Stahlbetonbauteil mit zumindest einem anderen Bauteil.

Title (fr)

Jonction d'un élément de béton armé avec au moins un autre élément de construction.

Publication

EP 0044271 A1 19820120 (DE)

Application

EP 81810190 A 19810519

Priority

CH 529380 A 19800710

Abstract (en)

1. Connection of a reinforced concrete building element with at least another building element, comprising a reinforcing element preferably of steel which at the location of the connection is embedded into the concrete of the reinforced concrete building element, characterized in that the reinforcing element consists of at least one first smooth metal sheet (1, 13, 20) of rectangular cross section having surfaces without connection means, which over its cross sectional height is connected to at least one smooth transverse metal sheet (2, 12, 19) of corresponding cross sectional height, extending at right angles to its longitudinal direction and having surfaces (2a, 12a, 19a) without connection means, and in that the reinforcing element is so arranged that by inner pressure forces at the connection place in particular on the smooth surfaces (2a, 12a, 19a) of the transverse metal sheet (2, 12, 19) are produced pressing forces and accordingly friction forces which serve to provide for the equilibrium of the forces at the connection place.

Abstract (de)

Bei dem Element (10) sind Längs- (1) und Querbleche (2) vorgesehen, auf deren Flächen Reibungskräfte aufgrund der inneren Kräfte (D,E,F) bzw. Momente miteinander verbundener Bauteile (6,7) entstehen können. Durch die Reibungskräfte können die an den Verbindungsstellen (32) der Bauteile (6,7) auftretenden Kräfte (D, E, F) bzw. Momente übertragen werden. Auf besondere Übertragungsmittel wie Rippen, Bolzen, Dübel, Schikanen, Verteilplatten usw. kann dadurch verzichtet werden.

IPC 1-7

E04B 5/43; **E04C 5/00**

IPC 8 full level

E04B 1/21 (2006.01); **E04B 5/43** (2006.01); **E04C 5/00** (2006.01); **E04C 5/06** (2006.01)

CPC (source: EP)

E04B 1/21 (2013.01); **E04C 5/06** (2013.01)

Citation (search report)

- CH 382950 A 19641015 - GEILINGER & CO [CH]
- US 2697930 A 19541228 - CHESKIN DAVID B

Cited by

CN110147622A; US5205804A; CN109441001A

Designated contracting state (EPC)

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