

Title (en)

CONSTRUCTIONAL ELEMENT FOR ASSEMBLING REINFORCED CONCRETE PARTS

Publication

**EP 0196446 B1 19901010 (DE)**

Application

**EP 86102334 A 19860222**

Priority

DE 8509641 U 19850330

Abstract (en)

[origin: EP0196446A1] 1. Joining arrangement, consisting of a reinforced concrete structure (1) and an additional part (2) of reinforced concrete, which can be directly connected together in a non-positive manner, while maintaining a prestressing force, by means of structural members, each structural member consisting of a tie rod (3), which passes right through the reinforced concrete structure (1) and at least partly through the additional part (2), a nut (6), which serves to apply the prestressing force and is supported at one of the reinforced concrete parts (1, 2), at one end of the tie rod (3), and a top plate (4), which is secured to the other end of the tie rod (3) and at which a spring member (13) is supported, which spring member is in turn supported at an annular flange (10) on the other concrete part (2), in the area of which the tie rod (3) is surrounded by an encasing tube (8).

IPC 1-7

**E04B 1/41**; **F16B 31/04**

IPC 8 full level

**E04B 1/41** (2006.01); **F16B 31/04** (2006.01)

CPC (source: EP)

**E04B 1/4157** (2013.01)

Citation (examination)

EP 0086751 A2 19830824 - ASCHWANDEN ULISSE C

Cited by

CN112681770A; AU687902B2; CN112227537A; WO2006064380A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**DE 8509641 U1 19850523**; DE 3674819 D1 19901115; EP 0196446 A1 19861008; EP 0196446 B1 19901010

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