

Title (en)
Reinforced concrete element

Title (de)
Betonkörper mit Verstärkung

Title (fr)
Élément en béton armé

Publication
EP 0712972 A1 19960522 (DE)

Application
EP 95116996 A 19951027

Priority
DE 4439534 A 19941104

Abstract (en)
The concrete body (10) is made from a first concrete matrix which contains concrete rods (1,11,13) which are made from a second concrete matrix. The rods may have different cross sections and different lengths and are relatively smaller than the concrete body. The concrete matrix (1) encloses a tensioning element (2) which may consist of a non-rusting material such as glass fibre, carbon or plastics. The end anchor points (3) may be produced by a thickening of the reinforcing material, or by another material.

Abstract (de)
Betonkörper (10) aus einer ersten Betonmatrix mit ungeordneten oder teilweise orientiert eingebetteten länglichen vorgespannten Betonstabelementen (1,11,13,21,23) aus einer zweiten Betonmatrix mit in Längsrichtung der Betonstabelemente angeordneten Spannelementen, wobei die Längserstreckung der Betonstabelemente relativ zu den Abmessungen des Betonkörpers klein ist. <IMAGE> <IMAGE>

IPC 1-7
E04C 5/07; E04C 5/01; E04C 5/08

IPC 8 full level
E04C 5/01 (2006.01); **E04C 5/07** (2006.01); **E04C 5/08** (2006.01)

CPC (source: EP)
E04C 5/012 (2013.01); **E04C 5/073** (2013.01); **E04C 5/08** (2013.01)

Citation (search report)

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Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
DE 4439534 A1 19960509; DE 59510089 D1 20020411; EP 0712972 A1 19960522; EP 0712972 B1 20020306

DOCDB simple family (application)
DE 4439534 A 19941104; DE 59510089 T 19951027; EP 95116996 A 19951027