

Title (en)

ANCHOR INSERT FOR THE MANIPULATION OF PREFABRICATED ELEMENTS

Publication

EP 0122521 B1 19870318 (DE)

Application

EP 84103413 A 19840328

Priority

DE 3312458 A 19830407

Abstract (en)

[origin: ES286973U] The invention relates to an anchor tie member for use in carrying prefabricated concrete components, comprising a threaded portion for connecting the tie member to a lifting device and a tie rod having two end portions the first of which is secured to said threaded portion and the second of which is shaped so as to form at least one undulation therein. The arcuate shapes may be produced by a cold forming method and the presence of the undulation prevents the anchor tie from tearing out of the concrete while it is being transported and ensures a large breakout cone such that considerable forces may be withstood.

IPC 1-7

E04G 21/14; **E04C 5/12**

IPC 8 full level

E04C 5/12 (2006.01); **E04G 21/14** (2006.01)

CPC (source: EP US)

E04G 21/142 (2013.01 - EP US)

Cited by

WO2019210968A1; US11486131B2

Designated contracting state (EPC)

AT CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0122521 A2 19841024; **EP 0122521 A3 19850109**; **EP 0122521 B1 19870318**; AT E26009 T1 19870415; AU 2641084 A 19841011; AU 568845 B2 19880114; DE 3312458 A1 19841011; DE 3462706 D1 19870423; DK 157567 B 19900122; DK 157567 C 19900611; DK 180484 A 19841008; DK 180484 D0 19840406; ES 286973 U 19860116; ES 286973 Y 19860916; HU 188619 B 19860428; US 4655015 A 19870407

DOCDB simple family (application)

EP 84103413 A 19840328; AT 84103413 T 19840328; AU 2641084 A 19840404; DE 3312458 A 19830407; DE 3462706 T 19840328; DK 180484 A 19840406; ES 286973 U 19840406; HU 134184 A 19840405; US 83888586 A 19860311