

Title (en)  
ANCHOR FOR EMBEDDING LARGE LOADS IN CONCRETE

Publication  
**EP 0211256 B1 19910327 (DE)**

Application  
**EP 86109331 A 19860708**

Priority  
DE 3526940 A 19850727

Abstract (en)  
[origin: US4702045A] An anchor of solid material is adapted to be embedded in a heavy load, for example, a precast concrete member, for permitting lifting of such member. The anchor is comprised of a head formed with a recess for receiving lifting apparatus, and a solid anchor shank terminating at its lower end in a foot adapted to be embedded in such precast member. A separately formed insert extends through an opening formed in the anchor shank, and is positively secured in the opening. The insert has expanding extensions which project laterally from the shank, with the extensions having flat saddle surfaces on the top thereof for better absorption of load forces applied to the anchor. In another embodiment, the separate insert part is positioned around the shank of the anchor and protrudes from all sides. The shank is formed with recesses, and the insert is deformed to be engaged in the recesses and to provide inclined saddle surface at the top of the insert.

IPC 1-7  
**E04G 21/14**

IPC 8 full level  
**E04G 21/14** (2006.01)

CPC (source: EP US)  
**E04G 21/142** (2013.01 - EP US)

Citation (examination)  
US 4580378 A 19860408 - KELLY DAVID L [US], et al

Cited by  
AU629904B2; FR2675528A1; FR2649738A1; AU635055B2; WO9101423A1; US8398983B2

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**EP 0211256 A2 19870225; EP 0211256 A3 19871028; EP 0211256 B1 19910327**; AT E62049 T1 19910415; DE 3526940 A1 19870212; DE 3526940 C2 19881020; DE 3678355 D1 19910502; US 4702045 A 19871027

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