

Title (en)
ANCHORAGE RAIL FOR USE IN CONSTRUCTION WORK

Publication
EP 0226710 A3 19870826 (DE)

Application
EP 86112083 A 19860901

Priority
DE 3546107 A 19851224

Abstract (en)
[origin: US4739601A] An anchor channel for use in the construction industry is provided having outwardly directed protuberances in the web of the channel with openings therethrough which are penetrated by the shaft of an anchor bolt. The bevel of the countersunk head of the anchor bolt is fitted tightly in the protuberance the inner surface of which due to material deformation is attached by a press fit to the circumferential surface of the anchor bolt. The inner surface of the opening is the shape of a truncated cone and arranged with the smaller diameter directed toward the web of the channel. The thereby formed wedge between the surface of the opening and the anchor bolt is filled by squeezing or upsetting a connecting section of the anchor bolt which has a greater cross-section or diameter and projects along the anchor bolt shaft from the countersunk head of the anchor bolt.

IPC 1-7
E04B 1/41

IPC 8 full level
E04B 1/41 (2006.01)

CPC (source: EP US)
E04B 1/4107 (2013.01 - EP US); **Y10T 29/49833** (2015.01 - EP US)

Citation (search report)

- [A] DE 2631396 B1 19770707 - BEINE KARLHEINZ DIPL-ING
- [A] DE 134296 C
- [A] AU 43390 B
- [AD] DE 3407801 C1 19850620 - FRICKER SIEGFRIED

Cited by
EP0758039A1; KR20040046796A; CN111576476A; EP0400588A1; DE19907475C1; US5729951A; EP1029993A2; EP1029994A2; WO0040823A1

Designated contracting state (EPC)
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EP 86112083 A 19860901; AT 86112083 T 19860901; DE 3546107 A 19851224; DE 3671771 T 19860901; HK 54493 A 19930603; MY PI19880079 A 19880129; SG 37792 A 19920403; US 94503486 A 19861222