

Title (en)
TENSION BOLT FOR ANCHORING CONSTRUCTION ELEMENTS IN A FOUNDATION BODY

Publication
EP 0015895 B1 19830720 (DE)

Application
EP 80890029 A 19800305

Priority
AT 164679 A 19790305

Abstract (en)
[origin: EP0015895A1] 1. A tie rod for anchoring parts of a structure in a base, such as rock, brick, concrete element and others, wherein an anchor rod (7) is disposed in a sleeve (1), which is fixed on the hillside in an anchoring composition and which on its inside surface facing the anchor rod has female screw threads, the anchor rod is provided with male screw threads on its outside surface facing the sleeve, the sleeve is closed at its hillside end, the female screw threads (2) of the sleeve (1) have at least at the closed end a larger pitch than the screw threads of the anchor rod and the thread ribs (13) of the anchor rod (7) extend into the thread grooves (12) of the sleeve (1) with clearances, characterized in that the pitch of the female screw threads (2) of the sleeve (1) is largest at its closed end and gradually decreases towards its open end and from the one-half to two-thirds points of the length of the sleeve (1) equals the pitch of the screw threads (8) of the anchor rod (7).

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E21D 21/00; **E02D 5/74**

IPC 8 full level
E02D 5/74 (2006.01); **E21D 21/00** (2006.01)

CPC (source: EP)
E02D 5/74 (2013.01); **E21D 21/0033** (2013.01)

Cited by
CN109137903A; EP0196451A1; KR100484021B1; AT392968B; CN104631454A; CN109339840A; EP0188174A1; US4664573A; DE19740032A1; DE19740032C2; US7445406B2; WO03071098A1

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