

Title (en)

ANCHOR FOR WALL CONSOLIDATION IN CAVITY STRUCTURES

Publication

EP 0188174 B1 19880727 (DE)

Application

EP 85810585 A 19851210

Priority

CH 24785 A 19850117

Abstract (en)

[origin: ES8702591A1] An adhesive anchor comprises a tie rod 1 having a thread casing 3, a pressure nut 5 and a pressure plate 7. The thread casing is saw tooth shaped with steep flanks 33 facing the tie rod free end and flat flanks 31 facing away from it. The turns of the thread casing are wedged between the thread body 11 of the nut and the tie rod, considerably improving the transfer of forces between the casing and the rod. The anchor is especially suitable for the securing of gallery walls in coal mines.

IPC 1-7

E21D 21/00

IPC 8 full level

E21D 20/00 (2006.01); **E21D 21/00** (2006.01)

CPC (source: EP US)

E21D 21/0006 (2013.01 - EP US); **E21D 21/0026** (2013.01 - EP US); **E21D 21/0086** (2013.01 - EP US); **Y10S 411/903** (2013.01 - EP US)

Cited by

AU579703B2; DE3902727A1; EP0383723A1; EP2295719A2; DE102009039919A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0188174 A1 19860723; EP 0188174 B1 19880727; AT E36035 T1 19880815; AU 5243186 A 19860724; AU 579703 B2 19881208; CA 1250162 A 19890221; DE 3564005 D1 19880901; DK 21086 A 19860718; DK 21086 D0 19860116; ES 550973 A0 19870101; ES 8702591 A1 19870101; JP H0520559 B2 19930319; JP S61165497 A 19860726; NO 855287 L 19860718; US 4664573 A 19870512; ZA 86165 B 19860924

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