

Title (en)
Injection anchor for tunnels and trenches

Title (de)
Injektionsanker für Tunnel und Gräben

Title (fr)
Douille d'ancrage à injection pour les tunnels et les tranchées

Publication
EP 0726383 B2 20020320 (EN)

Application
EP 96101053 A 19960125

Priority
IT MI950235 A 19950209

Abstract (en)
[origin: EP0726383A1] A device is described for reinforcement, consolidation and stabilization of the ground, particularly for preventing landslides or deformation of the working face in tunnels or trenches, comprising an injection tube (5), advantageously with valves, to be inserted in a respective borehole (20) in the ground (3), around which tube (5) are arranged a plurality of strong reinforcing elements (7, 7'), mounted by means of centering spacers (6) and held together by external retaining elements. <IMAGE>

IPC 1-7
E21D 20/02; **E21D 9/00**; **E02D 5/80**

IPC 8 full level
E02D 5/80 (2006.01); **E21D 9/00** (2006.01); **E21D 20/02** (2006.01); **E21D 9/06** (2006.01)

CPC (source: EP)
E02D 5/80 (2013.01); **E21D 9/001** (2013.01); **E21D 9/0671** (2016.01); **E21D 20/028** (2013.01)

Cited by
EP0945553A1; EP2821554A1; KR100715237B1; EP2976466A4; CN102155234A; JP2015098685A; CN113047864A; ITMI20131116A1; WO2014147623A1; US9617703B2; US9976274B2

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