

Title (en)

DEVICE FOR PRESSING A TWO-COMPONENT ADHESIVE INTO A PIPE IN ORDER TO PRODUCE A NON-PRESTRESSED ANCHOR

Publication

**EP 0044272 A3 19820428 (DE)**

Application

**EP 81810222 A 19810605**

Priority

CH 535580 A 19800711

Abstract (en)

[origin: EP0044272A2] The device consists of a nozzle connection (20) and an element (26) which is inserted between the start (11a) of a rock anchor designed as a pipe (11) and a sealing surface (24) of the nozzle connection (20). The nozzle connection (20) comprises two concentrically arranged pipes (22, 23) for the separate feed of the two components (B,K) of a two-component adhesive. The element (26) consists of a plastically deformable material and has a cylindrical collar surrounding the start (11a) of the pipe and a flange (27). The outer wall (22) of the nozzle connection (20) ends in an edge (25) as an intersection line between a conical surface and a cylindrical surface. A static mixer (13) is inserted at the start (11a) of the pipe. A two-component adhesive can be pressed at a pressure of 120 bar into the pipe (11) by this device in order to fill the pipe and the intermediate space between the outer surface of the pipe and the wall of a drill hole for the purpose of producing a non-prestressed anchor for consolidating rock. The non- prestressed anchor can consequently be set by machine. <IMAGE>

IPC 1-7

**E21D 20/02**

IPC 8 full level

**E21D 20/02** (2006.01); **E21D 21/00** (2006.01)

CPC (source: EP)

**E21D 20/02** (2013.01); **E21D 21/0093** (2013.01)

Citation (search report)

- [X] FR 2332417 A1 19770617 - ENVIROTECH CORP [US]
- [Y] DE 2730488 A1 19790118 - FISCHER ARTUR DR H C
- [Y] FR 2339088 A1 19770819 - FISCHER ARTUR [DE]

Cited by

CN105863699A; CN103643977A; CN105317452A; US7365104B2; US7595351B2; US6802674B2

Designated contracting state (EPC)

AT CH DE FR SE

DOCDB simple family (publication)

**EP 0044272 A2 19820120; EP 0044272 A3 19820428**; FI 811657 L 19820112

DOCDB simple family (application)

**EP 81810222 A 19810605**; FI 811657 A 19810529