

Title (en)

Bolting device with linear positioning.

Title (de)

Verbolzungsvorrichtung mit linearer Einstellung.

Title (fr)

Dispositif de boulonnage à positionnement linéaire.

Publication

**EP 0020271 A1 19801210 (FR)**

Application

**EP 80400762 A 19800529**

Priority

FR 7914083 A 19790601

Abstract (en)

1. A bolting device comprising a movable support (5) supporting a drilling system (2), a system (8) for injecting the sealing charges and a system for inserting and tightening the bolts (11), and these systems (2, 8, 11) may be located in succession in the operating position in the axis of the drilling hole, characterized in that the movable support (5) is displaced in a straight line along an axis in order to bring the different systems (2, 8, 11) into position in succession and in that the axis of each of the above systems is perpendicular to the axis of displacement of the movable support (5).

Abstract (fr)

Le dispositif pour la mise en place de boulons de soutènement comporte un support (5) mobile le long d'un axe, avec un système de foration (2) un système d'injection (8) des charges de scellement et un système d'introduction (11) et de serrage des boulons d'ancrage (9), chacun de ces trois systèmes ayant un axe perpendiculaire à l'axe du support mobile (5). Ce dispositif trouve son application dans le soutènement des toits et des parois, en particulier dans les mines et les tunnels.

IPC 1-7

**E21D 20/02**

IPC 8 full level

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

CPC (source: EP)

**E21D 20/003** (2013.01)

Citation (search report)

- US 2815191 A 19571203 - BELTZ JOHN S
- FR 1359282 A 19640424
- WO 8000093 A1 19800124 - MINE CONSTR AB [SE], et al
- DE 2842788 A1 19800410 - SECOMA
- DE 2808977 A1 19780907 - ATLAS COPCO AB
- DE 2222646 B1 19721116 - SALZGITTER MASCHINEN AG

Cited by

US9856733B2; EP0130969A3; FR2545150A1; EP0124658A1; AT384860B

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