

Title (en)

PROCESS AND DEVICE FOR SEALING DAMS IN UNDER-GROUND GALLERIES, ESPECIALLY IN SALT MINES

Publication

**EP 0170123 A3 19860813 (DE)**

Application

**EP 85108639 A 19850711**

Priority

DE 3427978 A 19840728

Abstract (en)

[origin: ES8700383A1] Process and device for sealing barrier constructions in subterranean galleries, especially in salt mines. In the process, a fluid sealing medium is filled into a hollow space and is maintained at overpressure relative to the pressure of a stressing medium. With the device, a hollow space is filled with a sealing medium, maintained below overpressure, and positioned between the part of the gallery to be protected and the part of the galley in which a stressing medium is present. The sealing medium is stressed with a preset pressure and at the pressure of the stressing medium. The hollow space has a pressure shaft, in which the sealing medium stands at a predetermined level. The part of which is located above the level of the sealing medium is connected with the gallery in which the stressing medium stands. Through this, it is ensured that a specific overpressure is always present in the hollow space. Losses of sealing medium are independently compensated through the column of sealing medium in the pressure shaft, which represents a supply of pressure medium.

IPC 1-7

**E21F 11/00; E21F 15/08**

IPC 8 full level

**E21F 17/103** (2006.01)

CPC (source: EP US)

**E21F 17/103** (2013.01 - EP US)

Citation (search report)

- [A] US 3123977 A 19640310
- [AD] DE 195434 C
- [AD] DE 198375 C

Designated contracting state (EPC)

BE CH FR GB IT LI NL SE

DOCDB simple family (publication)

**DE 3427978 C1 19850515**; CA 1233038 A 19880223; EP 0170123 A2 19860205; EP 0170123 A3 19860813; EP 0170123 B1 19881012; ES 546109 A0 19861016; ES 8700383 A1 19861016; US 4712945 A 19871215

DOCDB simple family (application)

**DE 3427978 A 19840728**; CA 487335 A 19850723; EP 85108639 A 19850711; ES 546109 A 19850726; US 75821485 A 19850723