

Title (en)  
BOREHOLE CLOSURE PLUG

Publication  
**EP 0291925 B1 19930203 (DE)**

Application  
**EP 88107872 A 19880517**

Priority  
DE 3716783 A 19870519

Abstract (en)  
[origin: EP0291925A1] An expandable, lost closure plug (10) for boreholes, to be filled with liquid under pressure, for the stabilization of rock in underground mining is provided with an elastic, tubular closure piece (16) which is automatically restrained against the borehole wall due to the liquid pressure, extends between an inlet head (12) and an outlet head (14) and surrounds a rigid distance piece (38) between inlet head (12) and outlet head (14). Passages (22, 24) running between the inlet head (12) and the outlet head (14) for the liquid extend into the end sections (80, 82) of the distance piece (38) in each case up to an orifice (88, 90) adjacent to the inlet head (12) or the outlet head (14) into the area between the closure piece (16) and the distance piece (38). <IMAGE>

IPC 1-7  
**E02D 3/12**; **E21B 33/127**; **E21F 17/00**

IPC 8 full level  
**E02D 3/12** (2006.01); **E21B 33/127** (2006.01); **E21F 17/00** (2006.01)

CPC (source: EP)  
**E21B 33/127** (2013.01)

Cited by  
CN109209476A; CN103693620A

Designated contracting state (EPC)  
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**EP 0291925 A1 19881123**; **EP 0291925 B1 19930203**; AT E85400 T1 19930215; DE 3716783 A1 19881215; DE 3716783 C2 19910103; DE 3878029 D1 19930318

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