

Title (en)
BOREHOLE CLOSURE PLUG

Publication
EP 0291926 B1 19930203 (DE)

Application
EP 88107873 A 19880517

Priority
DE 3716784 A 19870519

Abstract (en)
[origin: EP0291926A1] 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 and outlet head. The two ends (44, 46) of the closure piece (16) sit on cylindrical surfaces (40, 42) of the inlet head or the outlet head and are overlapped from outside by in each case a clamping sleeve (48, 50) integrally formed on the inlet or outlet head. Integrally formed on the end of at least the clamping sleeve (50) of the outlet head (14), which end faces the closure piece (16), are spring-elastic tongues (49, 51) which extend in the longitudinal direction of the closure piece (16) and can be expanded by the widening closure piece (16). Inlet and outlet head are preferably made of plastic.
<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); **E21B 33/1295** (2006.01); **E21F 17/00** (2006.01)

CPC (source: EP)
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Cited by
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