

Title (en)
SLIDING CLAMPING ASSEMBLY FOR MINE ROOF SUPPORT ARCHES

Publication
EP 0046818 B1 19840718 (DE)

Application
EP 80105216 A 19800902

Priority
EP 80105216 A 19800902

Abstract (en)
[origin: EP0046818A1] 1. Sliding clamping assembly for mine roof support arches, consisting of overlapping and interlocking segments, in which in overlapping in each case the end of the inner section facing the rock and the end of the outer section are each provided with an associated screwable plate (10; 14) which is conjugately connected with the front face (27; 30) of the inner section (1; 2), characterised by the fact that the front face (27) of the inner section (1) with its flanges (6, 7) against which the clip (28) of the plate (10) abuts, is conjugately fixed through embedding into the under edge (50) of a packing body (31), which at least partially fills up at least the cavities behind the overlap (11) and the outer edge (2) along a length corresponding to the length of slide, and that through non-embedding or partial embedding into the infill (31) of the parts (24) of the plate (14) associated with the end (12) of the outer section (2) which overlaps the inner section (1), the tensile strength of these parts compared with the tensile strength of the parts (28, 24) of the other plate (10) is reduced or eliminated.

IPC 1-7
E21D 11/22

IPC 8 full level
E21D 11/22 (2006.01)

CPC (source: EP)
E21D 11/22 (2013.01)

Citation (examination)
Spruth, Streckenausbau in Stahl, Verlag Glückauf GmbH, Essen, 1955, S. 136

Cited by
CN108019228A; GB2245011A; FR2534965A1; JPS6040499A

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 0046818 A1 19820310; EP 0046818 B1 19840718; DE 3068602 D1 19840823

DOCDB simple family (application)
EP 80105216 A 19800902; DE 3068602 T 19800902