

Title (en)  
TROUGH SECTIONS FOR MINE SUPPORTS

Publication  
**EP 0036449 B1 19841212 (DE)**

Application  
**EP 80107969 A 19801217**

Priority  
DE 3011119 A 19800322

Abstract (en)  
[origin: EP0036449A1] 1. Channel profile member for relatively-displaceable yieldable mine arch supports, with a strengthened base (3) and curved side webs (4), which run into outwardly-directed flanges (5) having a central thickness (52) which corresponds to 0.9 to 1.1 times the base thickness (31) and a central height (51) which corresponds to 1.25 to 1.50 times the base thickness (31), the base (3) being flattened externally, characterized in that the minimum web thickness (41) at the flanges (5) corresponds to 0.30 to 0.35 times the base thickness (31) and the base (3) is flattened externally to have, at a maximum, a width (32) corresponding to the base thickness (31) and the full width (23) of the profile member amounts to 0.9 to 1.1 times the full profile height (22).

IPC 1-7  
**E21D 11/20**; **E21D 11/18**

IPC 8 full level  
**E21D 11/18** (2006.01); **E21D 11/20** (2006.01)

CPC (source: EP)  
**E21D 11/18** (2013.01); **E21D 11/20** (2013.01)

Citation (examination)  
• DE 1166121 B 19640326 - BOCHUMER EISEN HEINTZMANN  
• DE 960532 C 19570321 - BOCHUMER EISEN HEINTZMANN  
• FR 63275 E 19550912 - BOCHUMER EISEN HEINTZMANN  
• DE 2538697 A1 19770310 - EISENHUETTE PRINZ RUDOLPH AG  
• DE 975869 C 19621108 - BOCHUMER EISEN HEINTZMANN  
• DE 1010031 B 19570613 - BERGBAUSTAHL GMBH & CO

Designated contracting state (EPC)  
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