

Title (en)  
SAFETY-CAP BRACKET

Publication  
**EP 0091980 B1 19881005 (DE)**

Application  
**EP 82103303 A 19820420**

Priority  
EP 82103303 A 19820420

Abstract (en)  
[origin: EP0091980A2] 1. Framework headway timbering in mine and tunnel construction comprising a steel section roof member (6), a steel section prop (4) offset behind the roof member face and a safety roof member shoe (18) connecting the steel sections of the roof member (6) and the prop (4), the shoe having a support plate (25) with integrally formed bearing plates (28, 29) which enclose the steel section prop (4), and recesses (30) for a prop connection stay (23) which penetrates the steel section of the prop (4), wherein a bearing block (32) for the roof member connection stay (20) is formed integrally with the support plate (25), on both sides of which block are provided bearing surfaces (39, 40) for the corresponding bearing surfaces (41, 42) of a hub (43, 44) of a respective wedge member (45, 46) which can be threaded on the roof member connection stay (20), wherein the U-shaped wedges (45, 46) embrace a lower flange (10) of the roof member section (6), characterized in that the roof member section (6), have semicircular recesses (59, 60) and the U-section flange (53) of each wedge (45, 46) has rounded off gaps (56) and connecting curves (55) as well as rounded off tops, whereby the wedges (45, 46) engage the lower flange (10) of the roof member section (6) and are fixed to the roof member connection stay (20) in such a way that the interlocking indentation bring about and maintain positive locking as well as securing the wedges (45, 46) against rotation when the support plate (25) pivots about the axis (65) of the roof member connection stay.

IPC 1-7  
**E21D 11/34**; **E21D 17/10**

IPC 8 full level  
**E21D 11/34** (2006.01); **E21D 17/10** (2006.01)

CPC (source: EP)  
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