

Title (en)  
ARTICULATED STEEL CAP FOR A MINING SUPPORT

Publication  
**EP 0273122 B1 19920102 (DE)**

Application  
**EP 87115117 A 19871016**

Priority  
DE 8632139 U 19861201

Abstract (en)  
[origin: US4820085A] A steel cap for steel sets in mining support structures is made of a hollow sectional profile having a certain length. A tip is arranged as an insert at one end of the sectional profile. A fork is arranged as an insert at the other end of the sectional profile. Each insert is formed as a plug-in connection. The plug-in connection is provided with a hold free of play in a correct position. For this purpose each insert has at its end facing the sectional profile, a plug with a cross-section corresponding to that of the sectional profile, and at least one surface inclined relative to the longitudinal axis of the steel cap. At least one movable wedge element is arranged for cooperation with each inclined surface. A wedge drive permits driving the wedge element or elements into or out of a locking position relative to the respective inclined surface.

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**E21D 17/00**

IPC 8 full level  
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**US 12659187 A 19871130**; AT 87115117 T 19871016; AU 8194787 A 19871127; BG 8203487 A 19871201; BR 8706388 A 19871126; CA 553107 A 19871130; CN 87108117 A 19871130; CS 860887 A 19871127; DE 3775736 T 19871016; DE 8632139 U 19861201; EP 87115117 A 19871016; ES 87115117 T 19871016; FI 875267 A 19871130; GR 910401724 T 19920103; HU 530187 A 19871125; IN 906CA1987 A 19871119; JP 30030587 A 19871130; MA 21362 A 19871130; NO 874981 A 19871130; NZ 22271587 A 19871127; PL 26899587 A 19871124; PT 8624087 A 19871130; PT 877393 U 19930513; RO 13049987 A 19871118; SU 4203714 A 19871125; TN SN87134 A 19871127; TR 76387 A 19871119; UA 4203714 A 19871125; YU 211987 A 19871123; ZA 878972 A 19871130