

Title (en)  
CROSS CAP

Publication  
**EP 0117439 A3 19861015 (DE)**

Application  
**EP 84100821 A 19840126**

Priority  
DE 8305875 U 19830302

Abstract (en)  
[origin: EP0117439A2] Cross cap with a central cross in which a fork and, opposite each fork, a tip are arranged at two ends each. Such cross caps are welded in one piece and are therefore heavy. Any repairs or stock keeping always involves the complete cross cap. These disadvantages can be alleviated by the connection of fork and tip to the central cross being designed as a push-in connection. The individual parts are easier to handle and the repair and stock keeping always involves only individual parts which can in each case be assembled to form a new unit. <IMAGE>

IPC 1-7  
**E21D 17/00**

IPC 8 full level  
**E21D 17/00** (2006.01)

CPC (source: EP)  
**E21D 17/00** (2013.01)

Citation (search report)

- [Y] DE 944845 C 19560628 - WILHELM REPPEL
- [Y] ANNALES DES MINES DE BELGIQUE, Band 12, Dezember 1967, Seiten 1451-1459, Brussel; INICHAR: "Matériel minier"

Designated contracting state (EPC)  
BE DE FR GB IT

DOCDB simple family (publication)  
**EP 0117439 A2 19840905; EP 0117439 A3 19861015**; DE 8305875 U1 19831020

DOCDB simple family (application)  
**EP 84100821 A 19840126**; DE 8305875 U 19830302