

Title (en)

A protective helmet with a head-width adjusting device adjustable from the exterior

Title (de)

Schutzhelm mit Kopfbreiten-Einstellvorrichtung, die von außen verstellbar ist

Title (fr)

Casque de protection doté d'un dispositif de réglage de la largeur de tête réglable de l'extérieur

Publication

EP 2457459 A2 20120530 (EN)

Application

EP 11158727 A 20110317

Priority

DE 102010052725 A 20101126

Abstract (en)

A protective helmet is provided with a head-width adjusting device adjustable from the exterior, wherein an adjusting wheel (5) disposed rotatably at the head side of the helmet shell (6) is connected to a toothed wheel (2) via a mechanically connected flexible element (4) for the transmission of the turning moment, wherein the toothed wheel (2) is disposed in a guide seat (1) in active connection with the head support ring (3), in such a way that the open ends of the head support ring (3) of the protective helmet, which are provided with complementary teeth, can be moved towards or away from one another for the head-width adjustment depending on the direction of rotation.

IPC 8 full level

A42B 3/14 (2006.01)

CPC (source: EP)

A42B 3/145 (2013.01)

Citation (applicant)

- DE 4022422 A1 19910328 - MINE SAFETY APPLIANCES CO [US]
- DE 19882440 B4 20061116 - MSA MINE SAFETY APPLIANCES CO [US]
- US 5373588 A 19941220 - HEDE JEAN MARC [FR], et al
- US 7174575 B1 20070213 - SCHERER PAUL T [US]
- DE 1870098 U 19630411 - SCHUBERTH WERK K G [DE]

Cited by

GB2497371A; GB2497371B

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102010052725 B3 20120308; DE 102010052725 B8 20120614; EP 2457459 A2 20120530; EP 2457459 A3 20120815;
EP 2457459 B1 20150304

DOCDB simple family (application)

DE 102010052725 A 20101126; EP 11158727 A 20110317