

Title (en)

IMPACT ABSORBING SAFETY HELMET FOR MINING

Title (de)

STOSSDÄMPFENDER SICHERHEITSEHELM FÜR DEN BERGBAU

Title (fr)

CASQUE DE SÉCURITÉ À ABSORPTION DE CHOCS POUR EXPLOITATION MINIÈRE

Publication

EP 2521465 A1 20121114 (EN)

Application

EP 10801320 A 20101217

Priority

- US 29259910 P 20100106
- US 91089410 A 20101025
- US 2010060914 W 20101217

Abstract (en)

[origin: WO2011084660A1] An industrial safety helmet that provides both impact and penetration resistance is disclosed. The helmet includes a dome-shaped outer shell, an impact absorbing layer, and an at least one ear-temple guard. The outer shell has a thickness ranging from about 1 mm to about 3 mm. The outer shell comprises a plurality of ventilation ports. The surface area of the plurality of ventilation ports comprises less than about 5% of the surface area of the outer shell. The impact absorbing layer is disposed substantially within and adjacent to the outer shell and has a thickness ranging from about 1 cm to about 3 cm. The ear-temple guard is sized to substantially cover a wearer's ear and temple area.

IPC 8 full level

A42B 3/16 (2006.01); **A42B 3/28** (2006.01); **A42B 3/30** (2006.01)

CPC (source: EP)

A42B 3/16 (2013.01); **A42B 3/281** (2013.01); **A42B 3/30** (2013.01)

Citation (search report)

See references of WO 2011084660A1

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

DOCDB simple family (publication)

WO 2011084660 A1 20110714; AU 2010339859 A1 20120726; CA 2786243 A1 20110714; CN 102762120 A 20121031;
EP 2521465 A1 20121114

DOCDB simple family (application)

US 2010060914 W 20101217; AU 2010339859 A 20101217; CA 2786243 A 20101217; CN 201080064102 A 20101217;
EP 10801320 A 20101217