

Title (en)
PROTECTIVE HELMET, IN PARTICULAR FOR FORESTRY WORKERS

Title (de)
SCHUTZHELM, INSBESONDERE FÜR FORSTARBEITER

Title (fr)
CASQUE DE PROTECTION DESTINÉ NOTAMMENT À DES OUVRIERS FORESTIERS

Publication
EP 2498636 A1 20120919 (DE)

Application
EP 11730983 A 20110712

Priority
• DE 102010027012 A 20100713
• EP 2011061879 W 20110712

Abstract (en)
[origin: CA2804406A1] A protective helmet is described, with a helmet shell (36) and with an interior fitting subassembly (40) which comprises at least one supporting cage (42), a head band (44) and a neck band (46). Three supporting arms (54, 55, 56) serve to fasten the subassembly (40) to the helmet shell (36) with a spacing. A clearance (60) is thus provided between the interior fitting subassembly (40) and the helmet shell (36) for receiving ear protection capsules (35a, 35b) and supporting straps (37a, 37b) of ear defenders (34) and of another helmet accessory. When not in use, the ear defenders (34) can be pivoted under the helmet shell (36). The protective helmet (30) therefore does not provide any engagement possibilities whatsoever for obstacles, such as branches and the like. The supporting arms (54, 55, 56) partially conduct a force acting on the helmet (30) from above back into the helmet shell (36) in order to elastically deform the latter. The helmet (30) therefore has improved shock absorption capability.

IPC 8 full level
A42B 3/16 (2006.01); **A42B 3/14** (2006.01)

CPC (source: EP KR US)
A42B 3/003 (2013.01 - KR); **A42B 3/06** (2013.01 - KR); **A42B 3/14** (2013.01 - EP KR US); **A42B 3/142** (2013.01 - KR);
A42B 3/145 (2013.01 - KR); **A42B 3/16** (2013.01 - KR); **A42B 3/166** (2013.01 - EP US); **A42B 3/18** (2013.01 - KR)

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)
DE 102010027012 A1 20120119; AU 2011278393 A1 20130207; AU 2011278393 B2 20160609; BR 112013000588 A2 20201013;
BR 112013000588 B1 20210921; CA 2804406 A1 20120119; CA 2804406 C 20180501; CL 2013000118 A1 20130719;
CN 103052330 A 20130417; CN 103052330 B 20160316; DK 2498636 T3 20130923; EA 020680 B1 20141230; EA 201300110 A1 20130628;
EP 2498636 A1 20120919; EP 2498636 B1 20130619; EP 2498636 B8 20151028; ES 2428085 T3 20131106; HK 1184028 A1 20140117;
HR P20130837 T1 20131025; JP 2013531146 A 20130801; JP 6046613 B2 20161221; KR 101906608 B1 20181010;
KR 20130135230 A 20131210; MX 2013000458 A 20131202; MY 162952 A 20170731; NZ 606373 A 20150227; PE 20131310 A1 20131129;
PE 20150304 A1 20150308; PL 2498636 T3 20140131; SI 2498636 T1 20131129; UA 109444 C2 20150825; US 2013205477 A1 20130815;
US 9179728 B2 20151110; WO 2012007472 A1 20120119; ZA 201300327 B 20140430

DOCDB simple family (application)
DE 102010027012 A 20100713; AU 2011278393 A 20110712; BR 112013000588 A 20110712; CA 2804406 A 20110712;
CL 2013000118 A 20130111; CN 201180034639 A 20110712; DK 11730983 T 20110712; EA 201300110 A 20110712; EP 11730983 A 20110712;
EP 2011061879 W 20110712; ES 11730983 T 20110712; HK 13111663 A 20131016; HR P20130837 T 20130910; JP 2013519075 A 20110712;
KR 20137003443 A 20110712; MX 2013000458 A 20110712; MY PI2013700060 A 20110712; NZ 60637311 A 20110712;
PE 2013000069 A 20110712; PE 2014002220 A 20110712; PL 11730983 T 20110712; SI 201130058 T 20110712; UA A201301669 A 20110712;
US 201113808664 A 20110712; ZA 201300327 A 20130114