Title (en)
Protective helmet; method for preventing or reducing head injury

Title (de)
Schutzhelm; Verfahren zur Verminderung oder Verhinderung einer Kopfverletzung

Title (fr)
Casque de protection; procédé de réduction ou de prévention d'une blessure à la tête

Publication
EP 2428129 A3 20120321 (DE)

Application
EP 11007341 A 20110909

Priority
• DE 102010045843 A 20100909
• DE 102010046134 A 20100910

Abstract (en)
[origin: EP2428129A2] The protective helmet (6) comprises an outer shell (1) which is made of a hard material. The impact on a head (5), is received by an inner support unit which is arranged on an inner side of the outer shell. The inner support unit is divided in a shell-sided pad (7) and a head-sided pad (8). An independent claim is also included for a method for reducing or preventing a head injury.

IPC 8 full level
A42B 3/06 (2006.01)

CPC (source: EP KR US)
A42B 1/08 (2013.01 - KR); **A42B 3/064** (2013.01 - EP KR US); **A42B 3/128** (2013.01 - KR)

Citation (search report)
• [X] US 2004250340 A1 20041216 - PIPER DENNIS [US], et al
• [X] US 2004117896 A1 20040624 - MADEY STEVEN M [US], et al
• [XP] WO 2010151631 A1 20101229 - UNIV WAYNE STATE [US], et al
• [E] WO 2011139224 A1 20111110 - MIPS AB [SE], et al
• [A] US 4012794 A 19770322 - NOMIYAMA TETSUO

Cited by
EP2440082A4; CN107518489A; FR3058298A1; USD927084S; US11766083B2; EP3050449A1; WO2018083345A1; WO2013071916A1; WO2012109381A1; US11147332B2; US11503872B2; US10561192B2; US11213736B2; US11712615B2; US10721987B2; US11638457B2; US8955169B2; US9820525B2; US10980306B2; US10948898B1; US11167198B2; US11419383B2; US11889883B2; US8578520B2; US11291262B2; US11399589B2; US11766085B2; US12059051B2; US10362829B2; US11291263B2; US11324273B2; US11871809B2

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)
EP 2428129 A2 20120314; **EP 2428129 A3 20120321**; **EP 2428129 B1 20130403**; CN 102406262 A 20120411; DE 102011112790 A1 20120315; DE 112011104130 A5 20130912; ES 2413281 T3 20130716; KR 20130082501 A 20130719; PT 2428129 E 20130624; US 2012060251 A1 20120315; WO 2012037927 A1 20120329

DOCDB simple family (application)
EP 11007341 A 20110909; CN 201110289540 A 20110909; DE 102011112790 A 20110909; DE 112011104130 T 20110909; DE 2011001713 W 20110909; ES 11007341 T 20110909; KR 20137009097 A 20110909; PT 11007341 T 20110909; US 201113199791 A 20110909