

Title (en)  
A composite crash helmet

Title (de)  
Verbundhelm

Title (fr)  
Casque composite

Publication  
**EP 2042048 A2 20090401 (EN)**

Application  
**EP 08016618 A 20080922**

Priority  
IT TO20070670 A 20070925

Abstract (en)  
The helmet comprises an outer shell (11), an inner wall (20) spaced apart from the shell, and an expanded-polystyrene layer (30) injected between the shell and the inner wall (20). For each of the strap fastening straps (26a,26b) there is provided an anchoring tension member (31) which extends between the outer wall (20) and the shell (11) and is firmly fixed to the shell so as to cooperate in tensile relation with the outer shell in order to transmit tensile forces to the shell through the respective tension member (31).

IPC 8 full level  
**A42B 3/08** (2006.01)

CPC (source: EP)  
**A42B 3/08** (2013.01); **A42B 3/125** (2013.01)

Citation (applicant)  
IT 000569 A

Citation (third parties)  
Third party :

- EP 1627575 B1 20071024 - DSG HELMET S R L [IT]
- US 6711751 B1 20040330 - MUSKOVITZ DAVID TODD [US]
- EP 0126027 A1 19841121 - KIWI SA [CH]
- EP 0861608 A1 19980902 - BAYERISCHE MOTOREN WERKE AG [DE]
- EP 0501060 A1 19920902 - SHOEI KAKO KK [JP]
- US 3911496 A 19751014 - ARAI HIROTAKE, et al

Cited by  
US11399589B2; US11213736B2; US11712615B2; US10721987B2; US11638457B2; USD927084S; US10874162B2; US11311067B2; US11503872B2; US10948898B1; US1167198B2; US11419383B2; US11889883B2; US10362829B2; US11291263B2; US11871809B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 2042048 A2 20090401; EP 2042048 A3 20090617; EP 2042048 B1 20101201**; AT E489862 T1 20101215; DE 602008003726 D1 20110113; IT TO20070670 A1 20090326

DOCDB simple family (application)  
**EP 08016618 A 20080922**; AT 08016618 T 20080922; DE 602008003726 T 20080922; IT TO20070670 A 20070925