

Title (en)

ADAPTIVE FIT HELMET AND METHOD FOR FITTING HELMET TO CUSTOMER HEAD

Title (de)

HELM MIT ADAPTIVER PASSFORM UND VERFAHREN ZUR ANPASSUNG EINES HELMS AN DEN KOPF EINES KUNDEN

Title (fr)

CASQUE À AJUSTEMENT ADAPTATIF, ET PROCÉDÉ POUR MONTER UN CASQUE SUR UNE TÊTE DE CLIENT

Publication

EP 3116339 A4 20171011 (EN)

Application

EP 15773159 A 20150205

Priority

- US 201461974713 P 20140403
- US 201514613670 A 20150204
- US 2015014558 W 20150205

Abstract (en)

[origin: US2015282550A1] An adaptive fit helmet can comprise an outer shell, and energy-absorbing material, and a fit system. The outer shell can comprise a top portion, a side portion, and an outer expansion area that extends along an interface of the top portion and the side portion from a temple area of the outer shell to a lower exterior edge of the outer shell. The energy-absorbing material can be disposed within the outer shell, wherein the energy-absorbing material further comprises a top portion, a side portion, and an inner expansion area between edges of the top portion and the side portion of the energy-absorbing material such that the inner expansion area corresponds with the outer expansion area. The fit system can comprise a belt and a fit system mechanism that control a three-dimensional size and shape of both the outer shell and the energy-absorbing material.

IPC 8 full level

A42B 3/32 (2006.01)

CPC (source: EP US)

A42B 3/06 (2013.01 - US); **A42B 3/324** (2013.01 - EP US)

Citation (search report)

- [X] US 2011047679 A1 20110303 - ROGERS DAVID C [US], et al
- [X] DE 102006058782 A1 20080619 - GUDO AG [CH]
- [X] US 6154889 A 20001205 - MOORE III DAN T [US], et al
- [XP] US 2015000015 A1 20150101 - BEAUCHAMP PIERRE-LUC [CA], et al
- See references of WO 2015152992A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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US 201514613670 A 20150204; AU 2015241563 A 20150205; CA 2944737 A 20150205; CN 201580023637 A 20150205; EP 15773159 A 20150205; JP 2016560517 A 20150205; US 2015014558 W 20150205