

Title (en)

A HELMET FOR IMPACT PROTECTION

Title (de)

HELM ZUM AUFPRALLSCHUTZ

Title (fr)

CASQUE DE PROTECTION CONTRE LES CHOCS

Publication

**EP 3903616 B1 20240605 (EN)**

Application

**EP 21174467 A 20181016**

Priority

- EP 21174467 A 20181016
- EP 18200835 A 20181016

Abstract (en)

[origin: EP3590375A1] According to an embodiment, the invention relates to helmet (100) for protecting a wearer's head (107) comprising a protective layer (106) configured to, when the helmet (100) is impacted by a force (105), absorb the normal component (102) thereof by compression and rupture (211, 212, 510, 601) when the tangential component (103) of the force exceeds a predefined threshold.

IPC 8 full level

**A42B 3/12** (2006.01)

CPC (source: EP US)

**A42B 3/064** (2013.01 - US); **A42B 3/124** (2013.01 - EP); **A42B 3/125** (2013.01 - US); **A42B 3/128** (2013.01 - EP US); **A42B 3/064** (2013.01 - EP)

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)

**EP 3590375 A1 20200108; EP 3590375 B1 20210630**; AU 2019363059 A1 20210429; CN 112839538 A 20210525; EP 3903616 A1 20211103; EP 3903616 B1 20240605; EP 3903616 C0 20240605; ES 2887074 T3 20211221; JP 2022505077 A 20220114; JP 7524171 B2 20240729; PT 3590375 T 20210908; US 2021315307 A1 20211014; WO 2020078700 A1 20200423

DOCDB simple family (application)

**EP 18200835 A 20181016**; AU 2019363059 A 20190930; CN 201980067908 A 20190930; EP 2019076385 W 20190930; EP 21174467 A 20181016; ES 18200835 T 20181016; JP 2021520978 A 20190930; PT 18200835 T 20181016; US 201917285014 A 20190930