

Title (en)
PROTECTIVE HELMET

Title (de)
SCHUTZHELM

Title (fr)
CASQUE DE PROTECTION

Publication
EP 4114223 B1 20231004 (DE)

Application
EP 21710450 A 20210305

Priority
• DE 102020106096 A 20200306
• EP 2021055605 W 20210305

Abstract (en)
[origin: WO2021176061A1] The invention relates to a protective helmet with an outer shell (1) for distributing impact forces, with a head support ring (2) for placing on a head of a wearer of the protective helmet, and with an adjustment device (3) for adjusting a circumference of the head support ring (2) in order to adapt the latter to the head of the wearer, wherein the adjustment device (3) is guided through an opening of the outer shell (1) so as to be operated from outside the outer shell (1). The protective helmet according to the invention is characterized in that the adjustment device (3) is designed to tension a spring device (8), during the adjustment of the circumference, in such a way that the tension of the spring device (8) acts to transfer the head support ring (2) to a basic circumference.

IPC 8 full level
A42B 3/14 (2006.01)

CPC (source: EP US)
A42B 3/145 (2013.01 - EP US)

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 102020106096 A1 20210909; CN 115426911 A 20221202; EP 4114223 A1 20230111; EP 4114223 B1 20231004; EP 4114223 C0 20231004; ES 2967473 T3 20240430; US 2023018883 A1 20230119; WO 2021176061 A1 20210910

DOCDB simple family (application)
DE 102020106096 A 20200306; CN 202180029530 A 20210305; EP 2021055605 W 20210305; EP 21710450 A 20210305; ES 21710450 T 20210305; US 202117905710 A 20210305