

Title (en)
PROTECTIVE HELMET

Title (de)
SCHUTZHELM

Title (fr)
CASQUE DE PROTECTION

Publication
EP 3723531 B1 20220309 (DE)

Application
EP 18822034 A 20181212

Priority
• DE 102017130109 A 20171215
• DE 102017130373 A 20171218
• EP 2018084594 W 20181212

Abstract (en)
[origin: WO2019115629A1] The invention relates to a protective helmet, comprising an outer shell (1) for distributing impact forces and an antenna (2) for transferring a radio signal, which antenna is arranged at least partially inside the outer shell (1). The outer shell (1) consists of a main material in a main region (5). The protective helmet is characterized in that the outer shell (1) consists of a cut-out material in a cut-out region (6), the cut-out material having a lesser damping effect on the radio signal in comparison with the main material. The invention further relates to a method for producing a protective helmet.

IPC 8 full level
A42B 3/30 (2006.01); **A42B 3/04** (2006.01); **A42B 3/06** (2006.01)

CPC (source: EP US)
A42B 3/0406 (2013.01 - EP US); **A42B 3/06** (2013.01 - EP); **A42B 3/063** (2013.01 - US); **A42B 3/30** (2013.01 - EP US); **A42C 2/002** (2013.01 - US); **H01Q 1/44** (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)
DE 102017130373 A1 20190619; CN 111836561 A 20201027; CN 111836561 B 20230613; EP 3723531 A1 20201021; EP 3723531 B1 20220309; ES 2914794 T3 20220616; US 11696610 B2 20230711; US 2020305532 A1 20201001; WO 2019115629 A1 20190620

DOCDB simple family (application)
DE 102017130373 A 20171218; CN 201880086943 A 20181212; EP 18822034 A 20181212; EP 2018084594 W 20181212; ES 18822034 T 20181212; US 201816772885 A 20181212