

Title (en)
PROTECTIVE HEADGEAR AND PROTECTIVE ARMOUR AND A METHOD OF MODIFYING PROTECTIVE HEADGEAR AND PROTECTIVE ARMOUR

Title (de)
SCHÜTZENDE KOPFBEDECKUNG UND SCHUTZSCHILD SOWIE VERFAHREN ZUM MODIFIZIEREN VON SCHÜTZENDEN KOPFBEDECKUNGEN UND SCHUTZSCHILDEN

Title (fr)
CASQUE DE PROTECTION, PLASTRON DE PROTECTION, ET PROCEDE DE MODIFICATION DU CASQUE DE PROTECTION ET DU PLASTRON DE PROTECTION

Publication
EP 0790787 B1 20000913 (EN)

Application
EP 95937933 A 19951116

Priority
• GB 9502693 W 19951116
• GB 9423113 A 19941116

Abstract (en)
[origin: WO9614768A1] With reference to Figure 6, the present invention provides protective headgear comprising: a shell (31) having an inwardly facing surface which in use faces the head of a user of the headgear and an outwardly facing surface which in use faces away from the head of the user; and an outer membrane (30) which overlies at least a portion of the outwardly facing surface of the shell (31) and which is more flexible than the shell (31). The headgear is constructed in such a way that when a force is applied to an outer surface of the headgear which acts to rotate the headgear and the head of the user, the force can cause the outer membrane (30) to move relative to the shell. With reference to Figure 9, the present invention also provides protective armour comprising: a first layer (102) of a first flexibility having a first surface (102A) which in use is presented to receive impact blows; and a membrane (103) which overlies at least a portion of the first surface (102A) of the first layer (102) and which is more flexible than the first layer (102) of material. The protective armour is constructed in such a way that when a force is applied to an outwardly facing surface of the protective armour which has a component tangential to the surface, the force can cause the membrane (103) to move relative to the first layer (102) of material. The present invention further provides methods of modifying existing protective headgear or armour to headgear or armour according to the invention.

IPC 1-7
A42B 3/06; **A42B 3/12**; **A42B 3/08**; **A42B 3/04**; **A42B 3/28**; **F41H 5/04**; **A63B 71/08**

IPC 8 full level
A42B 3/06 (2006.01); **A42B 3/08** (2006.01); **A42B 3/12** (2006.01); **A63B 71/08** (2006.01); **F41H 5/04** (2006.01)

CPC (source: EP)
A42B 3/064 (2013.01); **A42B 3/12** (2013.01); **A63B 71/081** (2013.01); **F41H 5/0478** (2013.01)

Cited by
EP2907403A1; US8732868B2; EP2725936A4; US11039653B2; US11297890B2; US11944150B2; EP2428129A2; DE102011112790A1; WO2012037927A1; WO2013071916A1; DE102012022542A1; US9681696B2; US10021938B2; US11039658B2; US11503876B2; WO2022269450A1; IT202100016103A1; WO2022248617A1

Designated contracting state (EPC)
BE DE DK FR GB IT NL SE

DOCDB simple family (publication)
WO 9614768 A1 19960523; AU 3875695 A 19960606; DE 69518853 D1 20001019; DE 69518853 T2 20010322; DK 0790787 T3 20010430; EP 0790787 A1 19970827; EP 0790787 B1 20000913; GB 9423113 D0 19950104

DOCDB simple family (application)
GB 9502693 W 19951116; AU 3875695 A 19951116; DE 69518853 T 19951116; DK 95937933 T 19951116; EP 95937933 A 19951116; GB 9423113 A 19941116