

Title (en)
MODULAR BODY PROTECTION SYSTEM FOR THE CERVICAL SPINE

Title (de)
MODULARES KÖRPERSCHUTZ-SYSTEM FÜR HALSWIRBELSÄULE

Title (fr)
SYSTÈME DE PROTECTION CORPOREL MODULAIRE POUR LE RACHIS CERVICAL

Publication
EP 3212022 A1 20170906 (DE)

Application
EP 15787509 A 20151021

Priority
• DE 102014115604 A 20141027
• EP 2015074300 W 20151021

Abstract (en)
[origin: WO2016066479A1] Modular body protection system (10) designed in particular to protect the cervical vertebrae region and the brain of a user (M), comprising: a helmet (12) which, when worn, covers at least the upper half of the head and the back of the head of the user (M), wherein the helmet (12) comprises a circumferential lower edge (50); a neck support (14) to cover the neck of the user (M); wherein the neck protection (14) comprises an arc-shaped shoulder/back element (40) and a collar element (38), wherein the shoulder/back element (40) is open at the front and further is adapted so as to be supported on the shoulders of the user (M), wherein the collar element (38) is open at the front and is adapted to cover and support the neck of the user (M), wherein the collar element (38) is, preferably rigidly, connected to the shoulder/back element (40), wherein the collar element (38) has an upper edge (52) which is designed to define, together with the bottom edge (50) of the helmet (12), a form fitting nod end-stop in a rear extreme position of the head in the event of a backward directed nodding movement of the head of the user (M); and an elastic connection (24) which connects the helmet (12) in a manually detachable manner to the neck protection (14) and is arranged and designed such that a forward-directed nodding movement (62) of the head is first damped and then stopped in a front extreme position of the head.

IPC 8 full level
A41D 13/05 (2006.01); **A42B 3/04** (2006.01)

CPC (source: EP)
A41D 13/0531 (2013.01); **A42B 3/0473** (2013.01)

Citation (search report)
See references of WO 2016066479A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102014115604 A1 20160428; EP 3212022 A1 20170906; EP 3212022 B1 20191218; WO 2016066479 A1 20160506

DOCDB simple family (application)
DE 102014115604 A 20141027; EP 15787509 A 20151021; EP 2015074300 W 20151021