

Title (en)  
UNIVERSAL TORSO PROTECTOR FOR SPORTS USE WITH HYDRO-PNEUMATIC SHOCK-ABSORBER SYSTEMS AND EPIDERMAL COOLING SYSTEMS

Title (de)  
OBERKÖRPERSCHUTZ FÜR SPORTGEBRAUCH MIT STOSSDEMPFUNGSSYSTEM UND KÜHLVORRICHTUNG

Title (fr)  
PROTECTEUR DE TORSE UNIVERSEL A USAGES SPORTIFS, POURVU DE SYSTEMES HYDROPNEUMATIQUES D'ABSORPTION DES CHOCS ET DE REFROIDISSEMENT DE L'EPIDERME

Publication  
**EP 0906039 B1 20000419 (EN)**

Application  
**EP 97929485 A 19970612**

Priority

- IT 9700132 W 19970612
- IT LI960008 A 19960718

Abstract (en)  
[origin: IT1288354B1] A torso protector for wearing next to the skin of a sports player comprises: (a) a bearing structure of 8 plastic or carbon fibre shield elements (1, 2, 4, 5) forming a light and comfortable housing; (b) a shock absorbing structure in the housing having padding and an auxiliary hydro-pneumatic shock absorbing system; (c) an epidermal cooling system having a chemical time controlled cold producing unit; (d) a heat sink unit; and (e) an electrical fan unit.

IPC 1-7  
**A41D 13/00**

IPC 8 full level  
**A41D 13/00** (2006.01); **A41D 13/005** (2006.01); **A41D 13/015** (2006.01); **A41D 13/05** (2006.01); **A63B 71/08** (2006.01); **A63B 71/12** (2006.01)

IPC 8 main group level  
**A62B** (2006.01)

CPC (source: EP US)  
**A41D 13/0053** (2013.01 - EP US); **A41D 13/015** (2013.01 - EP); **A41D 13/0518** (2013.01 - EP); **A63B 71/081** (2013.01 - EP); **A63B 71/12** (2013.01 - EP); **A63B 2071/1208** (2013.01 - EP); **A63B 2209/00** (2013.01 - EP US); **A63B 2209/023** (2013.01 - EP); **A63B 2225/66** (2013.01 - EP); **A63B 2244/19** (2013.01 - EP); **A63B 2244/24** (2013.01 - EP)

Cited by  
US11202954B2

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BE DE ES FR GB IT PT

DOCDB simple family (publication)  
AU 3357697 A 19980210; DE 69701735 D1 20000525; DE 69701735 T2 20010208; EP 0906039 A1 19990407; EP 0906039 B1 20000419; IT 1288354 B1 19980922; IT LI960008 A1 19980118

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AU 3357697 A 19970612; DE 69701735 T 19970612; EP 97929485 A 19970612; IT LI960008 A 19960718