

Title (en)  
BACK PROTECTOR device

Title (de)  
rückenprotektor vorrichtung

Title (fr)  
Dispositif de protection dorsale

Publication  
**EP 2620064 A1 20130731 (FR)**

Application  
**EP 13000340 A 20130123**

Priority  
FR 1200185 A 20120124

Abstract (en)  
The device has a rear panel (35a,35b) which is arranged to support a load. Two carrying mechanisms (3a,3b) include a respective ends, and connected to the rear panel. The carrying mechanisms comprises of a second extensible zone (Z2) that is located in an area of a front portion of a torso of a wearer. The second extensible zone includes anisotropic extensibility properties, so that a transverse tensile force required to obtain a 25% elongation of a panel forming the second extensible zone is less than a longitudinal tensile force required to obtain a 25% elongation of panel.

Abstract (fr)  
La protection dorsale (1) comprend un panneau dorsal (2) supportant un moyen de protection (6) et deux moyens de portage (3a, 3b), les extrémités (31a, 31b, 32a, 32b) de chaque moyen de portage (3a, 3b) étant reliées au panneau dorsal (2), Les moyens de portage (3a, 3b) sont composés d'au moins un panneau (33a, 33b, 34a, 34b, 35a, 35b) de manière à former, avec le panneau dorsal, un boléro permettant de couvrir uniquement le torse au niveau de la partie antérieure de l'utilisateur.

IPC 8 full level  
**A41D 13/05** (2006.01); **A45F 3/04** (2006.01); **A45F 3/14** (2006.01)

CPC (source: EP US)  
**A41D 13/05** (2013.01 - US); **A41D 13/0531** (2013.01 - EP US); **A41D 13/0587** (2013.01 - EP US); **A45F 3/04** (2013.01 - US); **A45F 3/14** (2013.01 - US)

Citation (applicant)  
• EP 1001688 A1 20000524 - DAINESE SPA [IT]  
• EP 1290956 A2 20030312 - SALOMON SA [FR]

Citation (search report)  
• [YA] EP 1001688 A1 20000524 - DAINESE SPA [IT]  
• [YA] US 4989265 A 19910205 - NIPPER LEONARD O [US], et al  
• [A] JP 2000336506 A 20001205 - HONDA ACCESS KK  
• [A] GB 2345435 A 20000712 - CONNOR EDWARD O [GB]

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US2023276925A1; US11758999B1

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)  
**EP 2620064 A1 20130731**; **EP 2620064 B1 20150902**; EP 2965645 A2 20160113; EP 2965645 A3 20160302; EP 2965645 B1 20171018; FR 2985888 A1 20130726; FR 2985888 B1 20140221; US 2013185853 A1 20130725

DOCDB simple family (application)  
**EP 13000340 A 20130123**; EP 15002162 A 20130123; FR 1200185 A 20120124; US 201313747994 A 20130123