

Title (en)

Backpack with an angular damper between the back of the backpack and the shoulder straps and/or the belt unit

Title (de)

Rucksack mit einem Winkeldämpfer zwischen der Rückseite des Rucksackes und Schultergurten- und/oder Gürtleinheit

Title (fr)

Sac à dos equipe d'un amortisseur angulaire entre l'arriere du sac et l'ensemble bretelles et/ou ceinture

Publication

**EP 1190642 B1 20050302 (FR)**

Application

**EP 01490036 A 20010919**

Priority

FR 0011985 A 20000920

Abstract (en)

[origin: EP1190642A1] A shoulder of the female piece penetrates a groove of the elastomeric strip such that angular pivoting of the strap assembly relative to the back of the bag as caused by relative movement of user body is impeded. The strip is fixed to the rear face of the male piece.

IPC 1-7

**A45F 3/04**

IPC 8 full level

**A45F 3/04** (2006.01)

CPC (source: EP US)

**A45F 3/047** (2013.01 - EP US); **A45F 2003/045** (2013.01 - EP US)

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

**EP 1190642 A1 20020327**; **EP 1190642 B1 20050302**; DE 60109103 D1 20050407; DE 60109103 T2 20060406; ES 2239114 T3 20050916; FR 2814045 A1 20020322; FR 2814045 B1 20021227; US 2002033404 A1 20020321; US 6637631 B2 20031028

DOCDB simple family (application)

**EP 01490036 A 20010919**; DE 60109103 T 20010919; ES 01490036 T 20010919; FR 0011985 A 20000920; US 95551501 A 20010918