

Title (en)
Rucksack

Title (de)
Rucksack

Title (fr)
Sac à dos

Publication
EP 1602299 A1 20051207 (EN)

Application
EP 05253407 A 20050602

Priority
GB 0412320 A 20040602

Abstract (en)
A rucksack having a hip support belt (52) pivotally attached to its frame (10) to permit user hip movement during walking. A flexible load-bearing rod (20), separate from the pivot attachment, is secured to the frame (10) and to each end of the hip support belt (52). In conjunction with the pivotable belt (52), the rod (20) is axially slidable relative to the frame (10) to allow complementary up-and-down movement of the user's hips whilst maintaining effective load transfer from the frame to the belt. <??>Shoulder cushion pads (82) are attached to a slidable yoke plate (70) whose slide extent is adjustable by a ratchet mechanism (34, 36) for different user back lengths. The ratchet mechanism is operable by the user whilst wearing the rucksack. <??>The shoulder cushion pads (82) are laterally adjustable on the yoke plate (70) for different user back widths. <IMAGE>

IPC 1-7
A45F 3/04; **A45F 3/08**

IPC 8 full level
A45F 3/04 (2006.01); **A45F 3/08** (2006.01); **A45F 3/14** (2006.01)

CPC (source: EP)
A45F 3/047 (2013.01); **A45F 3/08** (2013.01)

Citation (search report)
• [A] US 5090604 A 19920225 - HOWE ROBERT [US]
• [PA] WO 2004082426 A2 20040930 - NORTH FACE APPAREL CORP [US], et al
• [A] US 204066 A 18780521
• [A] US 6024265 A 20000215 - CLEMENTS JAMES [US]

Cited by
EP2965653A1; DE102017104847B3; US9591910B2; WO2011127520A1; WO2017143760A1; DE202017101329U1; EP3372112A1; US10694833B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1602299 A1 20051207; GB 0412320 D0 20040707; GB 0511250 D0 20050706; GB 2414656 A 20051207

DOCDB simple family (application)
EP 05253407 A 20050602; GB 0412320 A 20040602; GB 0511250 A 20050602