

Title (en)  
RUCKSACK WITH LUMBAR SUPPORT

Title (de)  
RUCKSACK MIT LENDENSTÜTZE

Title (fr)  
SAC À DOS À SUPPORT LOMBAIRE

Publication  
**EP 3289917 A1 20180307 (EN)**

Application  
**EP 17001473 A 20170901**

Priority  
SI 201600224 A 20160901

Abstract (en)  
The invention refers to a rucksack (1) that comprises a container part (2), a back (3) of the rucksack, at least one shoulder strap (4), a lumbar support (5) that is connected by means of an articulated joint (6) with the lower part of the back of the rucksack, wherein the articulated joint (6) provides for a limited movement of the lumbar support (5) around the joint in all three rotational degrees of freedom with respect to the back (3) of the rucksack and in one linear degree of freedom. The articulated joint (6) is provided with at least one spring. An advantage of the rucksack with the lumbar support of the invention over known solutions lies in that the lumbar support allows perfect adjustment to the user's lumbar area while he is walking.

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

CPC (source: EP)  
**A45F 3/047** (2013.01); **A45F 2003/122** (2013.01); **A45F 2003/127** (2013.01)

Citation (applicant)  
• US 2006151559 A1 20060713 - GRAVSETH KRISTIAN [NO]  
• US 3355075 A 19671128 - DEAN WILLIAM H

Citation (search report)  
• [X] EP 0628265 A1 19941214 - MODAN IND 1983 LTD [IL]  
• [X] US 2015189974 A1 20150709 - BERCAW JOHN A [US], et al  
• [X] WO 2015080956 A1 20150604 - 1MSA TECHNOLOGY LLC 1 [US]

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 3289917 A1 20180307**; SI 25267 A 20180330

DOCDB simple family (application)  
**EP 17001473 A 20170901**; SI 201600224 A 20160901