

Title (en)
Backpack with inflatable bladder

Title (de)
Rucksack mit aufblasbarer Blase

Title (fr)
Sac à dos pourvu d'une vessie gonflable

Publication
EP 2441342 B1 20160914 (EN)

Application
EP 11166826 A 20110520

Priority
US 90170610 A 20101011

Abstract (en)
[origin: EP2441342A1] A backpack for relieving stress, weight and pressure from a user's back comprises: a carrying pack for storing items, with top, forward panel to face the user's back with an upper and lower portion, sides, and, bottom; adjustable shoulder straps connected to the carrying pack, for placement of the straps over a user's shoulders and positioning the backpack behind the user's back; a pleated pouch pocket covering the lower portion of the forward panel and extending beneath the bottom of the carrying pack and having a forward surface facing the user's back; an inflatable bladder enclosed within the pouch pocket having a lower part extending across and beneath the bottom of the pack and an upper part extending part-way upwardly along the forward panel ; a board enclosed and secured within the pouch pocket for preventing, expansion of the bladder into the carrying pack and puncturing of the bladder; valve means for the bladder accessible through the pouch pocket for permitting inflating and deflating the bladder; a cushion composite on the pouch pocket and allowing access to the valve means, the composite comprising an inner layer of expandable material, and outer layer of expandable material and sandwiched therebetween a compressed, apertured foam frame, and an array of cushioning bubbles located within the frame apertures, the frame having cut outs to allow for expansion.

IPC 8 full level
A45C 13/02 (2006.01); **A45F 3/04** (2006.01)

CPC (source: EP KR US)
A45C 13/00 (2013.01 - KR); **A45C 13/02** (2013.01 - EP US); **A45F 3/04** (2013.01 - EP KR US)

Cited by
EP3777606A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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