

Title (en)
ERGONOMIC BACKPACK

Title (de)
ERGONOMISCHER RUCKSACK

Title (fr)
SAC À DOS ERGONOMIQUE

Publication
EP 2312972 A1 20110427 (EN)

Application
EP 08796278 A 20080718

Priority
US 2008070435 W 20080718

Abstract (en)
[origin: WO2010008393A1] An ergonomic backpack (10) that comprises a main compartment (20), an elongated longitudinal curved-shaped back support (60), padding (90), and a strap assembly (100). The main compartment (20) defines a substantially hollow first cavity. The elongated longitudinal curved-shaped back support (60) has curvature areas (64 and 66). One curvature (64) area complements and supports thoracic vertebrae of a human vertebral column, and the other curvature area (66) complements and supports a lumbar vertebrae. The padding (90) comprises dorsal padding (92) and lumbar padding (94), of a sufficient predetermined thickness to dispense pressure upon the human vertebral column, which results from a force established by a weight of matter housed within the first cavity. The strap assembly (100) dispenses the pressure resulting from the force described above. It is fixedly secured to the main compartment (20) and comprises shoulder straps (102), chest straps (108), and waist straps (106).

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