

Title (en)
DUAL-PURPOSE PACKAGING INSERT AND PACKAGING BOX FOR SENSITIVE FLAT OBJECTS

Title (de)
DOPPELFUNKTIONSPACKUNGSEINLAGE UND PACKUNGSKARTON FÜR EMPFINDLICHE FLACHE GEGENSTÄNDE

Title (fr)
GARNITURE D'EMBALLAGE A DOUBLE USAGE ET BOITE D'EMBALLAGE POUR OBJETS PLATS FRAGILES

Publication
EP 2590873 A1 20130515 (EN)

Application
EP 10737003 A 20100709

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EP 2010059886 W 20100709

Abstract (en)
[origin: WO2012003878A1] A dual-purpose packaging insert (1) has a core made of a plurality of hollow cells (10) defined by cell walls (11), the hollow cells defining opposing planar sides which are substantially perpendicular to the cell walls and at least one of which is covered by a face sheet (14, 16). The packaging insert (1) comprises an uncompressed area portion (20) of a given thickness, with undeformed cell walls (11) extending between the opposing planar sides, thus providing structural stiffness and rigidity, and a compressed area portion (30) of a smaller thickness, with the compressed area portion's cell walls (13a, b) being at least partially deformed so as to provide resilience and cushioning in a direction perpendicular to the planar sides, wherein the core extends continuously from the uncompressed area portion (20) into the compressed area portion (30). A packaging box (100) for a flat object sensitive to mechanical shock, comprising a base and a lid portion (110, 112) made of generally flat corrugated cardboard, wherein rims (40) of the base and the lid portions (110, 112) are comprised of foldable edge portions (141, 142) of the cardboard. The base and lid portions (110, 112) are provided with one or more dual-purpose packaging inserts, wherein the uncompressed area portion (s) (120) is/are provided at least at the corners (145) of the rims (140) of the base and the lid portions to provide structural stiffness and rigidity to the box, and the compressed area portion (s) (130) is/are provided at the base and the lid portion (110, 112) so as to receive and resiliently hold the flat object when the base and lid portions are closed, and thus to provide cushioning to the flat object in a direction perpendicular to the planar sides.

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