

Title (en)
Folding box for deep-frozen food and device for producing the folding box

Title (de)
Faltschachtel für Tiefkühlkost und Vorrichtung zum Herstellen der Faltschachtel

Title (fr)
Boîte pliante pour surgelés et dispositif destiné à la fabrication de la boîte pliante

Publication
EP 2279957 A3 20110608 (DE)

Application
EP 10007261 A 20100714

Priority
DE 202009009934 U 20090720

Abstract (en)
[origin: EP2279957A2] The box has walls (2-5) made of virgin fiber board, and a polyolefin layer provided at an inner side (32), which defines volume for receiving deep-frozen food. A tear-off strip (28) extends into the walls, which include an elongated recess (33) provided at the inner side along the tear-off strip. A reinforcement strip (34) is arranged in the elongated recess, and is connected with the polyolefin layer. A maximum thickness of the reinforcement strip corresponds to a depth of the elongated recess. Independent claims are also included for the following: (1) a layout for producing a folding box (2) a device for producing a foldable sheet material for forming a folding box.

IPC 8 full level
B65D 5/54 (2006.01)

CPC (source: EP)
B65D 5/0227 (2013.01); **B65D 5/5425** (2013.01); **B65D 5/5445** (2013.01)

Citation (search report)

- [A] US 3951333 A 19760420 - FORBES JR HAMPTON E, et al
- [A] US 2006180642 A1 20060817 - ZACHER RAYMOND L [US], et al
- [A] US 5007541 A 19910416 - GUNN CHARLES L [US], et al
- [A] US 5588587 A 19961231 - STIER DAVID E [US], et al

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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
DE 202009009934 U1 20091126; DK 2279957 T3 20130128; EP 2279957 A2 20110202; EP 2279957 A3 20110608; EP 2279957 B1 20121017; EP 2279957 B8 20121212; ES 2397776 T3 20130311; PL 2279957 T3 20130531; PT 2279957 E 20130125

DOCDB simple family (application)
DE 202009009934 U 20090720; DK 10007261 T 20100714; EP 10007261 A 20100714; ES 10007261 T 20100714; PL 10007261 T 20100714; PT 10007261 T 20100714