

Title (en)
Extendable-volume cardboard box

Title (de)
Karton mit ausdehnbarem Volumen

Title (fr)
Caisse en carton à volume extensible

Publication
EP 1914170 B1 20100310 (FR)

Application
EP 07117744 A 20071002

Priority
FR 0654403 A 20061020

Abstract (en)
[origin: EP1914170A1] The box has a strap formed from vertical panels and terminated by a return band, where each panel is extended by lateral flaps destined to form a bottom once folded at right angle and a cover for the box. Two of the flaps have a die-cut at the level of folding line parallel to an external edge to detach a tab of the flap. Another strap is formed from vertical panels (22-26) and terminated by a return band, where the panels are extended by lateral flaps (20A-26A) destined to form a cover for the box. The flaps (22A, 26A) have openings (22C, 26C) or notches (22E, 26E) to receive tabs (10E-16E). An independent claim is also included for a cardboard matrix or semi-rigid material for fabricating a box, comprising a belt formed from vertical panels.

IPC 8 full level
B65D 5/00 (2006.01); **B65D 5/32** (2006.01); **B65D 5/68** (2006.01)

CPC (source: EP US)
B65D 5/0005 (2013.01 - EP US); **B65D 5/328** (2013.01 - EP US); **B65D 5/68** (2013.01 - EP US)

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 1914170 A1 20080423; **EP 1914170 B1 20100310**; DE 602007005198 D1 20100422; FR 2907426 A1 20080425; FR 2907426 B1 20090130; US 2008093432 A1 20080424; US 7721940 B2 20100525

DOCDB simple family (application)
EP 07117744 A 20071002; DE 602007005198 T 20071002; FR 0654403 A 20061020; US 87379807 A 20071017