

Title (en)

Case and compression-resistant, foldable tray

Title (de)

Kasten und druckbeständige, zusammenklappbare Schale

Title (fr)

Caisse et bac pliable résistants à la compression

Publication

**EP 2357140 B1 20120912 (FR)**

Application

**EP 11152456 A 20110128**

Priority

FR 1050629 A 20100129

Abstract (en)

[origin: EP2357140A1] The tray (2) has side walls (11-14) surrounding a base wall (10), where the tray cooperates with a lid formed from a blank for covering the tray. The side walls are movable between a plane position with respect to the base wall, and a folded position in which the side walls are folded with respect to the base wall corresponding to assemble the tray. Reinforcement columns (30, 40) are arranged such that each column is adjacent to one of the side walls and partially supports the load to be applied on the lid with respect to a central zone (101) of polygon (100) when the tray is assembled. The reinforcement columns are provided with polygonal or semi-circular sections. The blank is made of semi-rigid material that is selected from a plastic e.g. olefin, board and a cellular board formed of two sheets. An independent claim is also included for a bin, comprising a cavity.

IPC 8 full level

**B65D 5/50** (2006.01); **B65D 5/44** (2006.01)

CPC (source: EP)

**B65D 5/445** (2013.01); **B65D 5/5028** (2013.01); **B65D 5/5033** (2013.01)

Cited by

CN112384110A

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 RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2357140 A1 20110817**; **EP 2357140 B1 20120912**; FR 2955838 A1 20110805

DOCDB simple family (application)

**EP 11152456 A 20110128**; FR 1050629 A 20100129