

Title (en)  
CARTON WITH REINFORCING FEATURES

Title (de)  
KARTON MIT VERSTÄRKUNGSMERKMALEN

Title (fr)  
CARTON DOTÉ D'ÉLÉMENTS DE RENFORT

Publication  
**EP 3303170 A4 20190313 (EN)**

Application  
**EP 16804298 A 20160601**

Priority  
• US 201562230266 P 20150601  
• US 2016035199 W 20160601

Abstract (en)  
[origin: US2016347522A1] A carton for holding a plurality of containers. The carton has a plurality of panels for at least partially forming an interior of the carton. The plurality of panels includes at least one top panel comprising a handle portion and a retention portion. The handle portion is foldably connected to the retention portion and at least partially forms a handle of the carton. The retention portion has openings for respectively receiving the necks of the containers when the containers are in the carton. The retention portion has at least one reinforcing flap for reinforcing and stabilizing the carton when the handle is activated.

IPC 8 full level  
**B65D 71/16** (2006.01); **B65D 71/20** (2006.01); **B65D 71/30** (2006.01)

CPC (source: EP US)  
**B65D 71/16** (2013.01 - EP US); **B65D 71/20** (2013.01 - EP US); **B65D 71/30** (2013.01 - EP US); **B65D 2571/0016** (2013.01 - EP US); **B65D 2571/00277** (2013.01 - EP US); **B65D 2571/0029** (2013.01 - EP US); **B65D 2571/00444** (2013.01 - EP US); **B65D 2571/00475** (2013.01 - EP US); **B65D 2571/00524** (2013.01 - EP US); **B65D 2571/0066** (2013.01 - EP US); **B65D 2571/00716** (2013.01 - EP US); **B65D 2571/00839** (2013.01 - EP US)

Citation (search report)  
• [X] US 2003111362 A1 20030619 - SUTHERLAND ROBERT L [US], et al  
• [A] US 5595291 A 19970121 - NEGELEN EMANUEL [DE]  
• See references of WO 2016196581A1

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)  
**US 2016347522 A1 20161201**; AU 2016270729 A1 20171102; AU 2016270729 B2 20181220; BR 112017025350 A2 20180731; EP 3303170 A1 20180411; EP 3303170 A4 20190313; WO 2016196581 A1 20161208

DOCDB simple family (application)  
**US 201615170119 A 20160601**; AU 2016270729 A 20160601; BR 112017025350 A 20160601; EP 16804298 A 20160601; US 2016035199 W 20160601