

Title (en)  
HEAVY-DUTY FOLDABLE STORAGE BIN

Title (de)  
HOCHBELASTBARER FALTBARER LAGERBEHÄLTER

Title (fr)  
BAC DE STOCKAGE PLIABLE TRÈS RÉSISTANT

Publication  
**EP 3259195 B1 20191030 (EN)**

Application  
**EP 16752029 A 20160211**

Priority  
• IL 23726715 A 20150216  
• IL 2016050165 W 20160211

Abstract (en)  
[origin: WO2016132348A1] A heavy-duty, thermoplastic storage bin comprises a rectilinear base, spaced columns integrally formed with the base, and rectangular end and side panels that are foldable and erectable with respect to the base. At least one of the panels is detachable from the base. At least one central column having an integral portion protrudes upwardly from an upper base surface and is interlockable with a corresponding side panel at a bottom center region, for generating a sufficiently high sagging resisting moment. In a method for emptying the bin, the base is supported by a forklift, after the bin has been loaded with desired products. Following a material handling operation by the forklift, a tilting device carried by the forklift is operated to sufficiently change a disposition of the bin such that the loaded products are caused to be emptied while a side panel remains engaged with the central and corner columns.

IPC 8 full level  
**B65D 19/18** (2006.01)

CPC (source: EP US)  
**B65D 19/18** (2013.01 - EP US); **B65D 88/522** (2013.01 - US); **B65D 88/56** (2013.01 - US); **B65D 90/0033** (2013.01 - US); **B65D 2519/00034** (2013.01 - EP US); **B65D 2519/00069** (2013.01 - EP US); **B65D 2519/00174** (2013.01 - EP US); **B65D 2519/00243** (2013.01 - US); **B65D 2519/00268** (2013.01 - EP US); **B65D 2519/00273** (2013.01 - US); **B65D 2519/00288** (2013.01 - EP US); **B65D 2519/00293** (2013.01 - US); **B65D 2519/00303** (2013.01 - US); **B65D 2519/00318** (2013.01 - EP US); **B65D 2519/00323** (2013.01 - US); **B65D 2519/00333** (2013.01 - EP US); **B65D 2519/00407** (2013.01 - EP US); **B65D 2519/00412** (2013.01 - EP US); **B65D 2519/00422** (2013.01 - EP US); **B65D 2519/00587** (2013.01 - EP US); **B65D 2519/00646** (2013.01 - EP US); **B65D 2519/009** (2013.01 - EP US); **B65D 2519/00925** (2013.01 - EP US); **B65D 2519/0096** (2013.01 - EP US); **B65D 2519/00975** (2013.01 - EP US)

Cited by  
US11325747B2; WO2017205352A1; EP3978381A1

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)  
**WO 2016132348 A1 20160825**; DK 3259195 T3 20200120; EP 3259195 A1 20171227; EP 3259195 A4 20180919; EP 3259195 B1 20191030; ES 2763031 T3 20200526; HK 1245214 A1 20180824; IL 237267 A0 20151130; IL 237267 B 20190829; RU 2017119989 A 20181207; US 2017313498 A1 20171102

DOCDB simple family (application)  
**IL 2016050165 W 20160211**; DK 16752029 T 20160211; EP 16752029 A 20160211; ES 16752029 T 20160211; HK 18104817 A 20180412; IL 23726715 A 20150216; RU 2017119989 A 20160211; US 201615528901 A 20160211