

Title (en)
STACKABLE CONTAINER ASSEMBLY WITH RECIPROCAL LOCKING OF THE STACKED CONTAINERS

Title (de)
STAPELBEHÄLTERANORDNUNG MIT GEGENSEITIGER VERRIEGELUNG GESTAPELTER BEHÄLTER

Title (fr)
SYSTÈME DE CONTENANTS EMPILABLES À VERROUILLAGE MUTUEL DES CONTENANTS EMPILÉS

Publication
EP 2313321 A1 20110427 (DE)

Application
EP 09776870 A 20090629

Priority
EP 2009004670 W 20090629

Abstract (en)
[origin: WO2011000387A1] The invention relates to a container assembly which has at least two containers (1), each of which has a first engagement structure (48) on the upper face (19) and a second engagement structure (49) on the lower face (18). The engagement structures (48, 49) are adapted to each other such that two containers (1) in a stacked state engage into each other in such a manner that the containers are secured laterally to the stacking direction to prevent displacement relative to each other, and simultaneously the upper container is prevented from being lifted at least in some areas. The first engagement structure (48) consists of engagement cavities (54) and the second engagement structure (49) consists of engagement protrusions (55). Support feet (57) arranged on the lower face (18) of the container (1) are designed as components of the second engagement structure (49) and can engage the first engagement structure (48) from behind in order to prevent the upper container from being lifted at least in some areas.

IPC 8 full level
B65D 21/02 (2006.01); **A45C 7/00** (2006.01); **B25H 3/02** (2006.01); **B65D 21/032** (2006.01)

CPC (source: EP US)
A45C 7/0045 (2013.01 - EP US); **B65D 21/0223** (2013.01 - EP US); **B65D 21/0228** (2013.01 - EP US); **B65D 45/20** (2013.01 - EP US); **B65D 2525/288** (2013.01 - EP US)

Citation (search report)
See references of WO 2011000387A1

Cited by
DE102018121479A1; CN108124439A; US2021183189A1; US11508197B2; DE102021104498A1; DE102014111337A1; US10703535B2; DE102015013053A1; DE102015013053B4; US11887422B2; DE202014103695U1; US11861544B2; DE202015103431U1; WO2017001083A1

Designated contracting state (EPC)
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 TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2011000387 A1 20110106; AT E545599 T1 20120315; CA 2735681 A1 20110106; CA 2735681 C 20180109; EP 2313321 A1 20110427; EP 2313321 B1 20120215; US 2011168599 A1 20110714; US 8590704 B2 20131126

DOCDB simple family (application)
EP 2009004670 W 20090629; AT 09776870 T 20090629; CA 2735681 A 20090629; EP 09776870 A 20090629; US 200913119573 A 20090629