

Title (en)
PORTABLE CONTAINER SYSTEM AND METHOD OF PRODUCING SAME

Title (de)
TRAGBARES BEHÄLTERSISTEM UND VERFAHREN ZUM PRODUZIEREN DAVON

Title (fr)
SYSTÈME DE RÉCIPIENT PORTATIF ET SON PROCÉDÉ DE PRODUCTION

Publication
EP 4025518 A4 20231018 (EN)

Application
EP 20860845 A 20200904

Priority
• HK 19129171 A 20190904
• CN 2020113432 W 20200904

Abstract (en)
[origin: WO2021043251A1] A portable container system includes: an insert tray (30) having a tray body (30A) with at least one tray recess (30C) formed therein; and a rigid container (10A) having a chamber (10I) therein configured for receiving the insert tray (30); wherein the insert tray (30) includes at least one first securement member (30B) extending from the tray body (30A), the first securement member (30B) being configured for arrangement in to a first configuration in which the first securement member (30B) is moved relatively inwardly towards a side-wall (30D) of the tray body (30A) as the insert tray (30) is inserted in to the chamber (10I) of the rigid container (10A) in a direction inwardly of an opening of the chamber (10I), and, the first securement member (30B) being configured for arrangement in to a second configuration in which the first securement member (30B) is moved relatively outwardly away from the side-wall (30D) of the tray body (30A) once the insert tray (30) has been inserted in to the chamber (10I) of the rigid container (10A), and wherein, the rigid container (10A) includes at least one second securement member (10H) protruding inwardly of the chamber (10I) from an inner surface of a side-wall (10B,10C) of the rigid container (10A), whereby when the at least one first securement member (30B) of the insert tray (30) is arranged in the second configuration after being inserted in to the chamber (10I), the at least one first securement member (30B) is configured to abut against the at least one second securement member (10H) so as to restrict movement of the insert tray (30) in a direction outwardly of the opening of the chamber (10I); and wherein a portion of the insert tray (30) is configured for biasing the at least one securement member in to the second configuration from the first configuration.

IPC 8 full level
B65D 50/04 (2006.01); **B65D 5/50** (2006.01); **B65D 81/133** (2006.01)

CPC (source: EP US)
B65D 5/5028 (2013.01 - EP); **B65D 5/503** (2013.01 - EP); **B65D 50/04** (2013.01 - EP); **B65D 50/046** (2013.01 - US); **B65D 81/133** (2013.01 - EP); **B65D 85/10** (2013.01 - EP US); **B65D 2215/02** (2013.01 - EP US); **B65D 2401/00** (2020.05 - EP US)

Citation (search report)
• [XJ] CN 205931769 U 20170208 - DEWEI PLASTIC MOULD CO LTD
• [XAI] US 6491211 B1 20021210 - EVANS JAMES IVOR [US], et al
• [XA] WO 2015000896 A1 20150108 - ECOBLISS HOLDING B V [NL]
• [A] US 2010018883 A1 20100128 - PATEL PANKAJ [US]
• [A] US 2016023797 A1 20160128 - SCHWESTER CHARLES [US]
• [A] EP 2810885 A1 20141210 - JAPAN TOBACCO INC [JP]
• See references of WO 2021043251A1

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 2021043251 A1 20210311; CA 3152229 A1 20210311; CN 114555486 A 20220527; EP 4025518 A1 20220713; EP 4025518 A4 20231018; US 2022324622 A1 20221013

DOCDB simple family (application)
CN 2020113432 W 20200904; CA 3152229 A 20200904; CN 202080062453 A 20200904; EP 20860845 A 20200904; US 202017640006 A 20200904