

Title (en)
CONTAINER ASSEMBLIES INCLUDING METAL CLOSURES AND THERMOPLASTIC CONTAINERS AND METHODS OF HOT-FILLING FOOD AND BEVERAGE PRODUCTS

Title (de)
BEHÄLTERANORDNUNGEN MIT METALLVERSCHLÜSSEN UND THERMOPLASTISCHE BEHÄLTER SOWIE VERFAHREN ZUR HEISSBEFÜLLUNG MIT LEBENSMITTELN UND GETRÄNKEN

Title (fr)
ENSEMBLES RÉCIPIENTS COMPRENANT DES FERMETURES MÉTALLIQUES ET RÉCIPIENTS THERMOPLASTIQUES ET PROCÉDÉS DE REMPLISSAGE À CHAUD DE PRODUITS ALIMENTAIRES ET DE BOISSON

Publication
EP 3455143 A4 20191218 (EN)

Application
EP 17796769 A 20170510

Priority
• US 201662334209 P 20160510
• US 201715590647 A 20170509
• US 2017031973 W 20170510

Abstract (en)
[origin: WO2017196988A1] Container assemblies are described herein that include a metal closure and a container including a plastic finish. The container assemblies may be characterized by improved performance including reproducibility of force needed to remove the closure. Furthermore, the container assemblies described herein may be compatible for use with hot-fill packaging processes.

IPC 8 full level
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CPC (source: EP US)
B65B 3/04 (2013.01 - EP US); **B65B 63/08** (2013.01 - EP US); **B65D 1/0207** (2013.01 - US); **B65D 1/0246** (2013.01 - US); **B65D 41/04** (2013.01 - EP US); **B65D 41/0435** (2013.01 - US); **B65D 41/0485** (2013.01 - US); **B65D 79/0087** (2020.05 - EP US); **B65D 85/72** (2013.01 - US); **B65B 7/2835** (2013.01 - EP US); **B65B 2220/24** (2013.01 - EP US)

Citation (search report)
• [X] WO 2015157236 A1 20151015 - SILGAN WHITE CAP LLC [US]
• [I] GB 196914 A 19240522 - NAT SEAL COMPANY INC
• See references of WO 2017196988A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
WO 2017196988 A1 20171116; **WO 2017196988 A4 20180111**; CA 3023937 A1 20171116; EP 3455143 A1 20190320; EP 3455143 A4 20191218; MX 2018013796 A 20190805; US 2017327277 A1 20171116; US 2020385177 A1 20201210

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