

Title (en)

BEVERAGE CAN ENDS SUITABLE FOR SMALL DIAMETERS

Title (de)

GETRÄNKEDOSENDECKEL FÜR KLEINE DURCHMESSER

Title (fr)

EXTRÉMITÉ DE CANETTE DE BOISSON CONVENANT POUR DE PETITS DIAMÈTRES

Publication

EP 3009368 A1 20160420 (EN)

Application

EP 15192345 A 20130930

Priority

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- EP 13777384 A 20130930

Abstract (en)

A beverage can end (14,14a) and container (12) have a removable panel (32a) that is actuated by a tab (44a). The tab is smaller than conventional full aperture ends but enables opening because of the lower pull force required smaller ends or scores (30a) formed in less malleable allows that conventional food can ends (14,14a). A stay-on-tab is also provided.

IPC 8 full level

B65D 17/00 (2006.01)

CPC (source: EP US)

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Citation (applicant)

- US 79717110 A 20100609
- US 8109406 B2 20120207 - CHANG CHARLES [US]
- US 6877941 B2 20050412 - BRIFCANI MOUAYED MAMDOOH [GB], et al
- US 8157119 B2 20120417 - WATSON MARTIN J [GB], et al
- US 7819275 B2 20101026 - STODD R PETER [US], et al
- US 6499622 B1 20021231 - NEINER CHRISTOPHER G [US]

Citation (search report)

- [XYI] WO 2011053776 A1 20110505 - CROWN PACKAGING TECHNOLOGY INC [US], et al
- [YA] US 2002046786 A1 20020425 - ROBERTS DAVID ANDREW [GB], et al
- [X] US 2011272406 A1 20111110 - THIBAUT MICHEL [FR], et al
- [X] US 2004099665 A1 20040527 - MCELDOWNEY CARL F [US], et al
- [X] US 2011303672 A1 20111215 - FIELDS BRIAN [US], et al

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HK 1213229 A1 20160630; JP 2015534526 A 20151203; MX 2015004259 A 20150610; RU 2015116914 A 20161127;
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JP 2015535712 A 20130930; MX 2015004259 A 20130930; RU 2015116914 A 20130930; SG 11201502481Y A 20130930;
US 201314432610 A 20130930; ZA 201503001 A 20150430