

Title (en)
REMOVABLE CLOSURE DEVICE FOR METAL CONTAINERS

Title (de)
ABNEHMBARE VERSCHLUSSVORRICHTUNG FÜR METALLBEHÄLTER

Title (fr)
DISPOSITIF DE FERMETURE AMOVIBLE POUR RÉCIPIENTS MÉTALLIQUES

Publication
EP 4001152 A1 20220525 (EN)

Application
EP 21207458 A 20211110

Priority
IT 202000026909 A 20201111

Abstract (en)
Removable closure device (1) for metal containers comprising a lid (2) delimited by a peripheral edge (20); a tab (3) having a connecting end (31) connected to the lid (2) near a first portion (21) of the peripheral edge (20) and extending along a longitudinal direction (X-X) towards a second portion (22) of the peripheral edge (20) opposite the first portion (21), and having a grip end (32) opposite the connecting end (31) located between the first and the second portions (21,22) of the peripheral edge (20); two stiffening elements (4) placed on the lid (2) on opposite sides with respect to the tab (3), each of which comprises: an inner wall (4a) having a first curved section (41) closely surrounding the grip end (32) of the tab (3) and having the concavity facing the tab (3), and an outer wall (4b) extending along the longitudinal direction (X-X) between a first and a second tip (44), respectively facing the first and the second portions (21,22) of the peripheral edge (20). The tangents (T-T) to the outer walls (4b) of each stiffening element (4) at the second tip (45) converge near the second portion (22) of the peripheral edge (20).

IPC 8 full level
B65D 17/28 (2006.01)

CPC (source: EP US)
B65D 17/02 (2013.01 - US); **B65D 17/4011** (2017.12 - EP US); **B65D 2517/0013** (2013.01 - US); **B65D 2517/007** (2013.01 - EP); **B65D 2517/0071** (2013.01 - US); **B65D 2517/0079** (2013.01 - EP)

Citation (applicant)
• EP 2607255 B1 20160420 - ARDAGH MP GROUP NETHERLANDS BV [NL]
• US 4406378 A 19830927 - ZYSSET EDGAR H [US]

Citation (search report)
• [XA] EP 3733543 A1 20201104 - TRIVIUM PACKAGING GROUP NETHERLANDS B V [NL]
• [XDA] EP 2607255 A1 20130626 - ARDAGH MP GROUP NETHERLANDS BV [NL]

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

Designated extension state (EPC)
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EP 4001152 A1 20220525; IT 202000026909 A1 20220511; US 2022144485 A1 20220512

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