

Title (en)
Container.

Title (de)
Behälter.

Title (fr)
Récipient.

Publication
EP 0337500 A2 19891018 (EN)

Application
EP 89109413 A 19850930

Priority
• US 65722484 A 19841003
• US 73642885 A 19850520

Abstract (en)
The invention relates to a drawn and ironed beer and beverage container (10) including a generally cylindrical side wall (12) having an inwardly-tapered reduced neck at one end with a reduced diameter end connected by a double seam to an open end of said reduced diameter neck, said double seam having an inner generally flat wall that extends generally parallel to the axis of said container with an upper arcuate exposed portion above said inner flat wall and an integral bottom wall characterized by said bottom wall including a first lower convex annular arcuate portion (38) at the end of said cylindrical side wall (12), a concave annular second arcuate portion integral with a lower end of said first lower convex annular arcuate portion (38) and a generally U-shaped annular third portion (22), said second arcuate portion adapted to engage said arcuate exposed portion of double seam when stacking a lower portion of a container upon an upper portion of another container, said U-shaped annular third portion (22) having an outer annular flat wall (30) tapered inwardly and an inner substantially vertical flat wall (28) interconnected by a lower arcuate segment (32) that defines a reduced diameter lower annular support (34) for said container; and an inwardly-domed central panel (20) integral with said substantially vertical flat wall (28). The container can be formed using reduced thickness stock material without increasing the diameter of the disc-shaped stock material. The new container has excellent column strength, buckle strength and resistance to harsh handling, while at the same time incorporates a nesting feature for allowing the bottom profile wall to nest with the end attached to the reduced neck portion of the container.

IPC 1-7
B65D 1/26; **B65D 21/02**

IPC 8 full level
B21D 22/30 (2006.01); **B65D 1/16** (2006.01)

CPC (source: EP)
B21D 22/30 (2013.01); **B65D 1/165** (2013.01)

Cited by
EP0417436A1; RU2509701C2; EP1477056A1; US5325696A; US5524468A; DE19708826C2; DE19708826C3; US8132687B2; WO2009158666A1; WO9726195A1; US6173857B1

Designated contracting state (EPC)
BE DE FR GB IT SE

DOCDB simple family (publication)
WO 8602026 A1 19860410; DE 3587397 D1 19930715; DE 3587397 T2 19940505; EP 0196327 A1 19861008; EP 0196327 A4 19880627; EP 0337500 A2 19891018; EP 0337500 A3 19891123; EP 0337500 B1 19930609

DOCDB simple family (application)
US 8501895 W 19850930; DE 3587397 T 19850930; EP 85905153 A 19850930; EP 89109413 A 19850930