

Title (en)
Lightweight metal container.

Title (de)
Leichtgewicht-Metallbehälter.

Title (fr)
Conteneur en métal de faible poids.

Publication
EP 0005025 A2 19791031 (EN)

Application
EP 79300591 A 19790410

Priority
• US 90044178 A 19780426
• US 96249378 A 19781120

Abstract (en)
A lightweight metallic container is disclosed and claimed having a side wall and an effective rigid bottom wall integral therewith. The side wall and bottom wall merge to define a first inclined face, the inclined face forming an angle of between about 35 DEG and 45 DEG with respect to the axis of said container, a tapered member is provided and is integrally formed at the juncture of the side wall and inclined face, the member having a taper angle in a given range and a given wall taper thickness, an annular surface integrally connected to the first inclined wall for supporting the container, a second inclined face integrally connected to the annular surface, and a curved panel integrally connected with the second inclined face. The curved panel is so formed that it has a radius of curvature greater than the diameter of the annular surface. The height of the second inclined face is less than half the height of the first inclined face. The metallic container as so defined has an improved bottom configuration that provides for substantial column strength as well as internal pressure stability. One important feature of the subject bottom configuration is the reduced amount of metal used to manufacture the container.

IPC 1-7
B65D 1/26

IPC 8 full level
B65D 1/16 (2006.01)

CPC (source: EP)
B65D 1/165 (2013.01)

Cited by
US4485663A; CN113247403A; CN104271456A; US4885924A; FR2508004A1; FR2488853A1; US4515284A; WO9726195A1; WO8302577A1

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

DOCDB simple family (publication)
EP 0005025 A2 19791031; EP 0005025 A3 19791114; EP 0005025 B1 19831019; AU 4633279 A 19791101; AU 525803 B2 19821202; CA 1096789 A 19810303; DE 2966324 D1 19831124; MX 149013 A 19830808

DOCDB simple family (application)
EP 79300591 A 19790410; AU 4633279 A 19790424; CA 326237 A 19790424; DE 2966324 T 19790410; MX 17745679 A 19790426