

Title (en)  
Base for pressurized bottles

Title (de)  
Boden für Druckflaschen

Title (fr)  
Base pour bouteilles sous pression

Publication  
**EP 2289809 A1 20110302 (EN)**

Application  
**EP 10075356 A 20100819**

Priority  
US 55202509 A 20090901

Abstract (en)  
A plastic bottle (10) with a base (14) centered on a vertical axis (Y), a continuous standing ring (16) to support the bottle, a side wall (18) formed unitarily with the base extending from the base upward to an upper side wall end (20), and a neck (22) connected to the side wall upper end, the neck including a finish (24) adapted to receive a cap to close an opening (26) into the bottle interior. The bottle base standing ring is defined in vertical cross-section by a continuous curve bounded on a radial inside by an interior region (32) that can include a plurality of concave domed wedge-shaped sections (34) interspaced with buttress sections (36) having substantially planar inclined outer portions (38). The bottle base standing ring has a diameter (D) less than 80% of the maximum side wall width (W) and is bounded on a radial outside by a conic section portion (46) centered on the vertical axis having an apex angle of less than 160° to improve the perpendicularity of the bottle.

IPC 8 full level  
**B65D 1/02** (2006.01)

CPC (source: EP US)  
**B65D 1/0276** (2013.01 - EP US)

Citation (applicant)  
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• US 4889752 A 19891226 - BECK MARTIN H [US]  
• US 6248413 B1 20010619 - BAREL MORENO [IT], et al

Citation (search report)  
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• [X] JP S55163137 A 19801218 - YOSHIZAKI KOZO  
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• [A] US 4704243 A 19871103 - NILSSON TORSTEN [SE], et al  
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Designated contracting state (EPC)  
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Designated extension state (EPC)  
BA ME RS

DOCDB simple family (publication)  
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