

Title (en)

REINFORCED BASE FOR PLASTIC BOTTLES OR FLASKS

Title (de)

VERSTÄRKTER BODEN FÜR FLASCHEN UND FLÄSCHCHEN AUS KUNSTSTOFF

Title (fr)

FOND RENFORCÉ POUR DES BOUTEILLES OU DES FLACONS EN MATIÈRE PLASTIQUE

Publication

EP 3154864 A1 20170419 (EN)

Application

EP 15727405 A 20150608

Priority

- EP 14398005 A 20140612
- GB 201503354 A 20150227
- EP 2015062667 W 20150608

Abstract (en)

[origin: GB2527171A] A reinforced base 1 for a plastics bottle 8, having an annular rim upon which the bottle rests; a concave dome 3 bounded by the rim 2, with the concavity facing the outside of the bottle body. The dome comprises three regions: (i) an outer, annular region 4, adjacent the rim; (ii) an inner, circular region 5, at the centre of said dome; and (iii) a middle, annular region 6, between the outer and inner regions. A number of spaced apart geometrical configurations 7 in the form of closed polygonal or circular formations are located on middle annular region of the dome, whereas the outer annular region, which comprises at least 7.5% of the area of the dome, is free of said geometrical configurations. Variants with concave wall portions are also included. The geometrical configurations may include tessellating regular polygons, and the polygons may be hexagonal. The wall 8 of the bottle may include circumferential reinforcements to resist deformation of the bottle under a vacuum, the reinforcement may include a grooves.

IPC 8 full level

B65D 1/02 (2006.01)

CPC (source: EP GB)

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Citation (search report)

See references of WO 2015189127A1

Cited by

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GB 201503354 D0 20150415; **GB 2527171 A 20151216**; **GB 2527171 B 20160427**; DK 3154864 T3 20200504; EP 3154864 A1 20170419; EP 3154864 B1 20200219; ES 2787648 T3 20201016; PL 3154864 T3 20200727; PT 3154864 T 20200324; WO 2015189127 A1 20151217

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