

Title (en)  
CYLINDER FOR AEROSOLS (ALTERNATIVES)

Title (de)  
ZYLINDER FÜR AEROSOLE (ALTERNATIVEN)

Title (fr)  
BOUTEILLE POUR AÉROSOLS (ET VARIANTES)

Publication  
**EP 2848555 A4 20151007 (EN)**

Application  
**EP 13790326 A 20130322**

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Abstract (en)  
[origin: EP2848555A1] The invention relates to the field of packaging, in particular, to a container, and constitutes a vessel mostly made of polyethylene terephthalate (PET), which is intended for filling with aerosols. The technical problem solved by the invention is to increase the operational strength of aerosol cylinders through modification of the design of its structural elements: the bottom and the neck. The stated technical problem is solved due to the fact that, in the aerosol cylinder according to embodiment 1 comprising a neck and a body with a bottom, the bottom is formed with radial grooves, and the neck edge is provided with an annular outwardly projecting rectangular collar constituting the flat end of a larger diameter, the width of the wall together with the neck collar being approximately equal to the height of the collar, and according to embodiment 2 comprising a neck and a body with a bottom, the bottom is formed with radial grooves, the neck is provided with an outwardly projecting annular collar located on the lateral surface, indented from the upper edge having a longitudinal section of a shape close to a semicircle, where the upper half of the collar is tapered inwardly towards the edge of the neck, and an annular concave groove is formed within the neck at the collar level. In a preferred embodiment of the cylinder, the radial grooves in the bottom of may be made widened and deepened from the center to the periphery to form a pentaloid bottom, and the housing wall may have a thickness of 0.3 mm to 1.2 mm.

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• [A] EP 1656968 A1 20060517 - OREAL [FR]  
• [A] US 2011017701 A1 20110127 - SOLIMAN ATEF GABR [EG]  
• [A] EP 1370477 A1 20031217 - VALOIS SAS [FR]  
• See references of WO 2013172737A1

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