

Title (en)
Container and blowing mould for production of the same


Title (de)
Behälter und Blasform zur Herstellung desselben

Title (fr)
Récipient et moule de soufflage pour produire le même

Publication
EP 0838405 A1 19980429 (EN)

Application
EP 97850099 A 19970619

Priority
SE 9602551 A 19960627

Abstract (en)
A container for drinks comprises a transparent bottom portion (2) and a body (3), which is extended from the bottom portion (2) and at the top passes into an opening. The bottom portion (2) has a first wall portion (7) which curves to the interior of the container and which is formed coaxially with the longitudinal centre axis (8) of the container and whose outer circumference substantially coincides with the outer circumference of the bottom portion (2). Moreover, the bottom portion (2) has a second wall portion (9), which curves to the interior of the container and which is formed within and coaxially with said first wall portion (7). The wall of the bottom portion (2) is formed such that a ray (S1, S2, S3), which at an angle of incidence (α) falls on the outside of the bottom portion (2) at an arbitrary point (a) and which leaves the inside of the bottom portion (2) at a point (b), satisfies the following condition: γ wherein γ is the increase in inclination between the wall surface of the bottom portion (2) at the point (a) and the wall surface of the bottom portion (2) at the point (b), θ_c is the critical angle for total reflection at the point (b) and n_D is the refractive index of the bottom portion (2) at the point (b). A blowing mould for producing such a container has surfaces for forming the wall portions (7, 9) which are curved to the interior of the container (1). 

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B65D 1/02

IPC 8 full level
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CPC (source: EP)
B65D 1/0276 (2013.01)

Citation (search report)

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