

Title (en)
Swinging door for container

Title (de)
Schwenktür für Container

Title (fr)
Porte pivotante pour conteneur

Publication
EP 0539891 B1 19960612 (DE)

Application
EP 92118243 A 19921024

Priority
DE 4135635 A 19911029

Abstract (en)
[origin: EP0539891A2] In a swinging door for containers, consisting of at least one profiled door leaf (I; II) articulatable on the end face of the container and having a gasket (22), and of locking bars (3, 4) held between the inner and outer limiting planes formed by the profiling of the leaf, the door leaf (I; II) is subdivided, as seen from its outside, by a plurality of U-shaped depressions (1, 2) into a plurality of longitudinal zones (11, 12) extending parallel to the locking bars (3, 4), a plurality of C-shaped or U-shaped profiles (13, 14), which extend parallel to and at a distance from one another transversely over the longitudinal zones, being arranged within the inner and the outer limiting planes of the door leaf (I; II). Arranged in the U-shaped depressions (1, 2) are gusset plates (15) with tubular portions (16) which are held thereon and which themselves receive the locking bars (3, 4) as sliding guides. Supporting rings (17, 18) are fastened to the locking bars (3, 4) respectively above and below each tubular portion (16). The additional shape-stabilising effect of the supporting rods (3, 4) substantially increases the dimensional stability of the door leaf, whilst at the same time reducing the door thickness.

IPC 1-7
B65D 90/00; **B65D 88/12**

IPC 8 full level
B65D 88/12 (2006.01); **B65D 90/00** (2006.01)

CPC (source: EP)
B65D 88/121 (2013.01); **B65D 90/008** (2013.01)

Cited by
DE102009054645A1; CN107303973A; EP1286361A3; ES2535053R1; DE102009054645B4; GB2460208A; GB2460208B; WO2008106864A1; EP2336041A1

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