

Title (en)  
CONTAINER GRIP PORTION WITH REINFORCING RIBS

Title (de)  
BEHÄLTERGRIFFTEIL MIT VERSTÄRKUNGSRIPPEN

Title (fr)  
PARTIE DE PRÉHENSION D'UN RÉCIPIENT AVEC NERVURES DE RENFORCEMENT

Publication  
**EP 3784578 B1 20230503 (EN)**

Application  
**EP 19716925 A 20190416**

Priority  
• EP 18169431 A 20180426  
• EP 2019059725 W 20190416

Abstract (en)  
[origin: WO2019206728A1] The invention concerns a structure (51) of reinforcing ribs (52) disposed circumferentially around a container body portion (45) of a container (40) presenting a longitudinal axis. Said structure (51) of reinforcing ribs (52) comprises: - a pair of external ribs (61) arranged around the bottle body (45), each external rib comprising a given pattern around the container body (45), said pattern being a series of at least two arcuate portions with a vertices interposed between two arcuate portions; the pair of external ribs (61) having an upper external rib (61a) and a lower external rib (61b), said external ribs (61) having their vertices facing each other and shifted of a maximum distance of 5 mm and in which, the upper external rib (61a) has a maximum amplitude between 3 and 6.5 mm and an arcuate portion length of half of the container perimeter; and the lower external rib (61b) has a maximum amplitude between 2 and 5 mm and an arcuate portion length of half of the container perimeter. - A pair of intermediate ribs (62) disposed between the pair of external ribs (61), each intermediate rib comprising twice the same pattern around the container body (45), said pattern having an amplitude of about 2 to 6 mm and being in the form of two successive straight lines, one ascending straight line and one descending straight line forming a vertices at their junction; the pair of intermediate ribs (62) having an upper intermediate rib (62a) and a lower intermediate rib (62b), said intermediate ribs (62) having their vertices facing each other and shifted of a maximum distance of 6 mm and in which, in the upper intermediate rib (62a), the descending straight line is about 5 times smaller than the ascending straight line; and in the lower intermediate rib (62b), the descending straight line being about 5 times bigger than the ascending straight line -A central rib (63) disposed between the pair of intermediate ribs (62), said central rib (63) comprising twice the same pattern around the container body (45); said pattern having an amplitude of about 2 to 6 mm and presenting an arcuate portion followed by an ascending straight line portion ending with a vertices, the arcuate portion being twice in dimension than the straight line portion. The invention also relates to a container (40) comprising said structure (51) of reinforcing ribs (52). Haista paska.

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

CPC (source: EP)  
**B65D 1/0223** (2013.01); **B65D 2501/0036** (2013.01)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2019206728 A1 20191031**; EP 3784578 A1 20210303; EP 3784578 B1 20230503; ES 2950119 T3 20231005; PL 3784578 T3 20230821

DOCDB simple family (application)  
**EP 2019059725 W 20190416**; EP 19716925 A 20190416; ES 19716925 T 20190416; PL 19716925 T 20190416