

Title (en)

STACK OF CUPS WITH DISTANCED WALLS

Title (de)

STAPEL VON BECHERN MIT BEABSTANDETEN WÄNDEN

Title (fr)

PILE DE GOBELETS À PAROIS DISTANCÉES

Publication

**EP 4234421 A1 20230830 (EN)**

Application

**EP 22159072 A 20220228**

Priority

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Abstract (en)

The present invention relates to a stack of cups 1 comprising a first cup 2 and a second cup 3, wherein the first cup 2 and the second cup 3 are identically formed and each comprises a sidewall 4, wherein the first cup 2 is arranged below the second cup 3, wherein the sidewall 4 comprises an upper end 8 and a lower end 9, wherein the sidewall 4 forms an outer surface of the cup 2, 3 and an inner surface 7 of the cup 2, 3, wherein the sidewall 4 comprises an outward protrusion 11, wherein the protrusion of the second cup 3 rests on the inner surface 7 or substantially on the upper end 8 of the first cup, wherein at each longitudinal position below the protrusion 11 of the second cup 3, the inner surface 7 of the first cup 2, is in a distance to the outer surface 6 of the second cup 3. The invention further relates to a cup 2, 3, a method for stacking two or more cups 2, 3 and a use of a stack of cups 1 in a beverage machine.

IPC 8 full level

**B65D 1/26** (2006.01)

CPC (source: EP)

**B65D 1/265** (2013.01)

Citation (applicant)

- JP S55134046 A 19801018 - TOKAN KOGYO CO LTD
- JP H0680616 U 19941115
- JP H0958658 A 19970304 - JUJO CENTRAL KK
- US 2503045 A 19500404 - HAMILTON KENNETH C
- JP S5767911 U 19820423
- JP 2001002049 A 20010109 - ITO SADAMI
- JP H10278931 A 19981020 - JUJO CENTRAL KK
- US 5201437 A 19930413 - BURGDORF MAERTEN [DE]

Citation (search report)

- [XY] BE 824054 A 19750702
- [XY] US 3648888 A 19720314 - CHELADZE GEORGE ANDRE
- [X] US 3208631 A 19650928 - BRYANT EDWARDS
- [YA] US 4832202 A 19890523 - NEWMAN ALEC T [GB], et al
- [YA] GB 2157153 A 19851023 - BELLAPLAST GMBH
- [YA] EP 0090639 A2 19831005 - LIN PAC PLASTIC CONTAINERS [GB]

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