Title (en)

BEVERAGE CONTAINER PROVIDED WITH A DRINKING STRAW, AND METHOD OF FILLING IT

Publication

EP 0078789 A3 19840328 (DE)

Application

EP 82890158 A 19821102

Priority

AT 463981 A 19811030

Abstract (en)

[origin: EP0078789A2] In a drink container (2) especially a bottle, a suction tube (4, 6, 10, 12), constructed in particular as a drinking straw, is arranged inside the filled, sealed drink container (2). The top end of the suction tube is arranged either in the container opening in such a way that it can be gripped and pulled out after the container (2) has been opened or the suction tube (6) is connected to a power store (8) which moves the top end (9) of the suction tube out of the container opening when the container (2) has been opened, or the suction tube (10, 12) receives a lifting force in the product (1) which guides its top end out of the container opening at the latest after the container (2) has been opened. In the case of a carbonated product, this lifting force is increased as a result of the pressure drop after opening due to the fact that bubbles (14) of gas acting as floating bodies rest on the surface of the suction tube or, if the suction tube consists of a porous plastic, it undergoes an expansion in volume. The suction tube can advantageously be introduced into the container before, at the same time as or even after the filling operation. <IMAGE>

IPC 1-7

B65D 77/28

IPC 8 full level

B65D 77/28 (2006.01)

CPC (source: EP)

B65D 77/283 (2013.01)

Citation (search report)
- [X] CH 359051 A 19611215 - BROIEDO JACQUES JEAN [CH]
- [X] FR 1022157 A 19530302
- [X] US 3211379 A 19651012 - BURTON ROBERT J
- [X] DE 2250123 A1 19740425 - EISELE ROLF
- [X] US 2072580 A 19370302 - CORRELL HENRY N

Cited by

AU731341B2; US5728415A; US6056116A; US5482158A; US6403137B1; WO2017124352A1; WO2012064291A1; WO9836671A1

Designated contracting state (EPC)

AT CH DE FR GB LI

DOCDB simple family (publication)

EP 0078789 A2 19830511; **EP 0078789 A3 19840328**

DOCDB simple family (application)

EP 82890158 A 19821102