

Title (en)
Pressure equalization apparatus for a bottle

Title (de)
Druckausgleichsvorrichtung für eine Flasche

Title (fr)
Dispositif d'égalisation de pression pour une bouteille

Publication
EP 2837576 A1 20150218 (EN)

Application
EP 14181089 A 20140814

Priority
US 201313967860 A 20130815

Abstract (en)
A device (400) that assists with equalizing air pressure within a bottle (100) with the atmospheric air pressure as liquid is being poured from the bottle and includes one or more relatively short air tubes (404). The air tubes are situated with an upper inlet rim (408) of the air tubes located flush with or relatively near the bottle rim. Whether an insert or integrated into the manufacture of a container, the one or more air tubes that extend partially into the container allow air to pass into the container as the liquid exits the container. The pressure equalizer (400) not only minimizes or prevents the common glugging effect, but it allows liquid from a bottle (100) to be poured smoothly at any angle and orientation. A cap incorporating a detachable pressure equalizer is also described.

IPC 8 full level
B65D 47/32 (2006.01); **B65D 47/06** (2006.01)

CPC (source: EP)
B65D 47/06 (2013.01); **B65D 47/32** (2013.01); **B65D 2205/00** (2013.01)

Citation (applicant)
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Citation (search report)

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Designated contracting state (EPC)
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EP 2837576 A1 20150218; AU 2014213555 A1 20150305; AU 2018204408 A1 20180705; CA 2859379 A1 20150215; HK 1202104 A1 20150918

DOCDB simple family (application)
EP 14181089 A 20140814; AU 2014213555 A 20140815; AU 2018204408 A 20180619; CA 2859379 A 20140814; HK 15102508 A 20150311