

Title (en)

AIR VALVE FOR A CAP PROVIDED WITH A MOUTHPIECE FOR DRINKING

Title (de)

LUFTVENTIL FÜR DECKEL MIT EINEM TRINK-MUNDSTÜCK

Title (fr)

SOUPAPE A AIR CON UE POUR UN COUVERCLE POURVU D'UN EMBOUT BUCCAL POUR BOIRE

Publication

**EP 1585683 A1 20051019 (DE)**

Application

**EP 03779553 A 20031223**

Priority

- AT 0300383 W 20031223
- AT 652003 A 20030120

Abstract (en)

[origin: WO2004065247A1] The invention relates to an air valve (13) for a cap (2) of a liquid container, comprising an annular membrane. Said cap (2) has at least one air passage opening (19). A holding element (21) having an encircling groove (24) that is open toward the inside of the cap is fixed to the inside of the cap. This holding element (21) has at least one air inlet opening (20), which is connected to the air passage opening (19) of the cap (2) and which leads into the groove (24). A ring (11) can be placed or is placed inside the groove (24), and the air inlet opening (20) is sealed by the pretensioning of at least one groove wall (26), which is provided as the annular membrane, at identical pressures on both sides of the air inlet opening (20) and at an overpressure on the inside of the cap, and when there is an underpressure on the inside of the cap, the air inlet opening (20) is opened. The invention also relates to a mouthpiece (1) for drinking from a liquid container, which is made, in essence, of elastic material and placed on a cap (2) provided with an inventive air valve (13).

IPC 1-7

**B65D 47/20**; **B65D 47/32**; **A47G 19/22**

IPC 8 full level

**A47G 19/22** (2006.01); **B65D 47/20** (2006.01); **B65D 47/32** (2006.01)

CPC (source: EP US)

**A47G 19/2272** (2013.01 - EP US); **B65D 47/2081** (2013.01 - EP US); **B65D 47/32** (2013.01 - EP US)

Citation (search report)

See references of WO 2004065247A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2004065247 A1 20040805**; **WO 2004065247 A8 20041111**; AT 413978 B 20060715; AT A652003 A 20051115; AT E393739 T1 20080515; AU 2003287757 A1 20040813; AU 2003287757 B2 20100701; BR 0317856 A 20051206; BR 0317856 B1 20130424; DE 50309749 D1 20080612; EP 1585683 A1 20051019; EP 1585683 B1 20080430; ES 2302958 T3 20080801; JP 2006513103 A 20060420; US 2006060591 A1 20060323; US 7703634 B2 20100427

DOCDB simple family (application)

**AT 0300383 W 20031223**; AT 03779553 T 20031223; AT 652003 A 20030120; AU 2003287757 A 20031223; BR 0317856 A 20031223; DE 50309749 T 20031223; EP 03779553 A 20031223; ES 03779553 T 20031223; JP 2004566678 A 20031223; US 54230705 A 20050715