

Title (en)
VENT DIAPHRAGM FOR THE REAR VENTILATION OF AN ANTI-COLIC BABY BOTTLE

Title (de)
LÜFTUNGSMEMBRAN FÜR DIE HINTERLÜFTUNG EINER BABYFLASCHE GEGEN KOLIKEN

Title (fr)
DIAPHRAGME D'AÉRATION DESTINÉ À LA VENTILATION ARRIÈRE D'UN BIBERON ANTI-COLIQUE

Publication
EP 4031093 A1 20220727 (EN)

Application
EP 20775716 A 20200831

Priority
• IT 201900016748 A 20190919
• IB 2020058096 W 20200831

Abstract (en)
[origin: WO2021053442A1] A diaphragm for venting a baby bottle (100) configured to interface with the bottom of the bottle (2) on which one or more bores are formed for the passage of air from an outside environment into the bottle (2), said diaphragm (100) comprising: a central flexible portion (101) which is elastically deformable to reversibly move between a rest configuration, when the pressure in the bottle (2) is equal to or higher than that of the outside environment, and a vented configuration when the pressure in the bottle (2) is lower than that of the outside environment, a first ring portion (102) surrounding said central flexible portion (101), said first ring portion (102) being concentric and connected with the central flexible portion (101); a second ring portion (103) surrounding said first ring portion (102), said second ring portion (103) being concentric and connected with the first ring portion (102); said central flexible portion (101) being raised with respect to said second ring portion (103) toward the interior of the bottle (2), said first ring portion (102) connecting said central flexible portion (101) and said second ring portion (103), said central flexible portion (101) comprising a central dome-shaped zone (101a), an annular depression (101b) externally surrounding said central dome-shaped zone (101a), said annular depression (101b) being concentric and connected with said central dome-shaped zone (101a), an annular rib (101c) surrounding said annular depression (101b), said annular rib (101 c) being concentric and internally connected with said annular depression (101b) and externally connected with said first ring-shaped portion (102). Moreover, said annular rib (101b) comprises a plurality of passages (104) configured to move between an open position to allow the passage of air from said outside environment into the bottle (2) when the central flexible portion (101) is in the vented configuration, and a fluid-tight closed position when the central flexible portion (101) is in the rest configuration.

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