

Title (en)
CLOSURE SYSTEM FOR A LEAK PROOF BOTTLE FOR BABY FOOD

Title (de)
VERSCHLUSSSYSTEM FÜR EINE AUSLAUFGESCHÜTZTE FLASCHE FÜR KINDERNAHRUNG

Title (fr)
SYSTÈME DE FERMETURE POUR UNE BOUTEILLE PROTÉGÉE AU NIVEAU DE LA SORTIE POUR L'ALIMENTATION DES ENFANTS

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Abstract (en)
[origin: WO2011012310A2] The invention relates to a closure system for a leak proof bottle for baby food comprising: a lower closure ring with a substantially cylindrical lower shell part with an inner thread that can be screwed on an outer thread of a bottle, and a separating wall that is connected to the lower shell part above the inner thread on the edge and closing off the cross section thereof with a first upper side and a first bottom side and at least one lower through flow hole ending in the first upper side and in the first bottom side; an upper closure ring comprising a substantially cylindrical upper shell part with an outer thread for connecting to a screw ring for fastening a drinking nipple on the upper edge of the upper shell part and an upper separating wall that is connected on the edge to the upper shell part and sealingly closing off the cross section thereof with a second upper side and a second bottom side located on the first upper side and at least one upper through flow hole ending in the second bottom side and in the second upper side; closure elements that close off the lower closure ring and the upper closure ring relative to each other in a rotatable and detachable manner; wherein on the first upper side, at least one circular lip seal made of a soft elastic material that is concentric in relation to the bottom shell part with at least one axially aligned sealing lip is arranged and on the second bottom side, at least one circular sealing geometry that is engaged to the lip seal and concentric to the upper shell part is arranged or vice versa and optionally the upper through flow hole can be brought in overlapping and non-overlapping positions in relation to the lower through flow hole by rotating the upper closure ring in relation to the lower closure ring.

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