

Title (en)

TAMPER-INDICATING ASSEMBLY OF THREADED CLOSURE AND NECK FOR CONTAINERS

Title (de)

MANIPULATIONSANZEIGENDE ANORDNUNG VON GEWINDEVERSCHLUSS UND HALS FÜR BEHÄLTER

Title (fr)

ENSEMBLE À COUVERCLE ET COL FILETÉS POUR INDIQUER UNE EFFRACTION SUR DES RÉCIPIENTS

Publication

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Application

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Abstract (en)

In order to achieve the above-described objectives, the present invention provides a threaded cap (11) and neck (12) set for evidencing tampering with container (13), comprising a neck (12) of a container (13) having a cylindrical shape and an aperture at its top end, said the neck (12) having threads on its outer surface and a sealing collar (14), said the sealing collar (14) comprising a plurality of teeth (15) and a cap (1) having a cylindrical shape and having threads on its inner surface, the cap (11) including a tamper-evident ring (16) attached to the lower rim (17) of the cap (11), said tamper-evident ring (16) having a diameter longer than the diameter of the cap (11). The tamper-evident ring (16) comprises a plurality of reversible grippers (18) projecting longitudinally from the lower rim (17) of the tamper-evident ring (16), wherein the reversible grippers (18) are coupled to the lower rim (17) of the tamper-evident ring (16) by means of a hingeable membrane. At least one of the reversible grippers (18) comprising a hingeable locking mechanism (22) with respect to the gripper, in which, when the cap (11) undergoes rotational movement towards the cap (11) closure direction in the bottle, the locking mechanism swings to a releasing position allowing the passage thereof on the teeth (15) of the bottle neck (12), and when the cap (11) undergoes rotational movement towards the cap (11) opening direction on the bottle, the locking mechanism swings to a locking position which does not allow the passage thereof on the teeth (15) of the bottle neck (12).

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