

Title (en)
CAN WITH SNAP-ON CLOSURE

Title (de)
DOSE MIT SCHNAPPVERSCHLUSS

Title (fr)
BOÎTE MUNIE D'UNE FERMETURE À DÉCLIC

Publication
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Application
EP 19746430 A 20190627

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• DE 2019100598 W 20190627
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Abstract (en)
[origin: WO2020001708A1] The invention relates to a closure system with a three-dimensional structure (10a, 10b) and a lid (20, 30) for plugging onto the three-dimensional structure (10a, 10b) in order to close the opening (11a, 11b) thereof. The lid (20, 30) has an end wall (21, 31) that can be deformed in a bistable manner between a first state, in which the end wall is curved in the plug-in direction, and a second state, in which the end wall is curved against the plug-in direction, and an annular edge section (22, 32). The edge section has a greater outer circumference in the first bistable state than in the second bistable state and is therefore designed to produce a clamping fixture of the lid (20, 30) to a wall region (12a, 12b) of the opening (11a, 11b) in that the edge section (22, 32) is pressed inwards in the first state or outwards against the wall region (12a, 12b) in the second state. The three-dimensional structure (10a, 10b) is configured so as to transfer a force exerted onto the closure system from the outside at specified locations (A2, B2) such that the force leads to a snapping process of the lid (20, 30) from one bistable state into the other bistable state.

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See references of WO 2020001708A1

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