

Title (en)

CLOSURE CAP PROVIDED WITH ANTI-TWISTING

Title (de)

VERSCHLUSSDECKEL MIT VERDREHSICHERUNG

Title (fr)

BOUCHON DE FERMETURE A SYSTEME DE BLOCAGE EN ROTATION

Publication

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Application

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Abstract (en)

[origin: WO0208586A1] The invention relates to a closure cap (111) for openings on reservoirs, especially on motor vehicle radiators. Said closure cap comprises a cap outer part (110) provided with a closure element (113), which can be joined to a reservoir filler, and with a grip element (112), which is held in a manner that permits it to twist in relation to the closure element. The closure cap also comprises an anti-twisting element, which is held in a rotationally fixed manner inside the grip element (112), and which is provided with a coupling insert (180). The coupling insert can be axially engaged in and disengaged from the closure element (113) and effects a rotationally fixed joining, which can be disengaged, of the closure element and grip element. The closure cap is additionally provided with a valve assembly (115), which comprises a valve body (117) that can be axially displaced in a to-and-fro manner, and which is provided for unblocking and blocking flow connections between the interior and exterior of the reservoir according to predetermined values of the internal pressure of the reservoir. In order to enable an anti-twisting as a direct function and in temporal sequence of the conditions prevailing in the interior of the reservoir, the invention provides that the axial disengaging and engaging movement of the coupling insert (180) is derived from the pressure-dependent axial movement of the valve body (117) of the valve assembly (115).

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