

Title (en)
SEALING CAP

Title (de)
VERSCHLUSSDECKEL

Title (fr)
COUVERCLE DE FERMETURE

Publication
EP 1036261 B1 20030226 (DE)

Application
EP 98963510 A 19981125

Priority
• DE 19753592 A 19971203
• EP 9807590 W 19981125

Abstract (en)
[origin: DE19753592A1] The invention relates to a sealing cap for openings in motor vehicle radiators which is provided with a cap inner part (4) having a flow connection between the interior of the container and the exterior of the container as well as a valve arrangement (5) for unblocking and blocking the flow connection. The valve arrangement (5) comprises a first (7) and second (8) valve body which can move between an unblocking position and a blocking position in a to-and-fro manner. The first valve body (7) is prestressed in the direction toward the interior of the container and is supported in this direction on a first sealing seat (13) located on the cap inner part (4) and on a second sealing seat (14) located on the second valve body (8), said second sealing seat lying inside the first sealing seat (13) in a radial manner. During unblocking of a fluid connection between the interior of the container and the exterior of the container, the first valve body can be respectively lifted from the cap inner part (4) when a first limiting value of the container interior pressure is exceeded and can be lifted from the cap inner part (4) and the second valve body (8) when a safety limiting value of the container interior pressure is exceeded. The second valve body (8) is configured as a structural component (8) which extends perpendicular to the direction of movement of the valve body (7, 8). The structural component has an opening (15) which lies inside the second sealing seat (14) of the first valve body (7) in a radial manner and which is fluid connected to the interior of the container. A third sealing seat (26) provided on the cap inner part (4) is assigned to said structural component outside the second sealing seat (14) of the first valve body (7) in a radial manner up to the exterior of the container. The structural component lies on the third sealing seat at a third limiting value which is between the first and second limiting value for the container interior pressure, whereby the component blocks a previously existing flow connection between the interior of the container and the exterior of the container.

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F01P 11/02

IPC 8 full level
F01P 11/02 (2006.01)

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