

Title (en)

VENTILATION DEVICE, PARTICULARLY FOR FLUID-STORING RESERVOIRS SUCH AS TANKS

Title (de)

BELÜFTUNGSEINRICHTUNG, INSBESONDERE FÜR FLUIDSPEICHERNDE BEHÄLTNISSE WIE TANKS

Title (fr)

DISPOSITIF DE VENTILATION CONÇU EN PARTICULIER POUR DES RECIPIENTS DE STOCKAGE DE LIQUIDE TELS QUE DES RESERVOIRS

Publication

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Application

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Priority

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Abstract (en)

[origin: US2008017643A1] The invention relates to a ventilation device, particularly for fluid-storing reservoirs such as tanks, comprising a connecting part ( 1 ), which can be attached to the opening of the reservoir and which serves to form an air- and/or fluid-conducting connection between the inside of the reservoir and the surroundings. This connection is effectively sealed off by means of a labyrinth-like seal consisting of a system of seal passages ( 53, 59, 69, 73 ) at least from the penetration of media such as water and/or cleaning chemicals but is not sealed off from an exchange of air for the actual ventilation. In addition, a filter element ( 61 ) is placed inside the connection. At least a portion of the seal passages ( 59, 69, 73 ) are formed on a ventilation chamber ( 41 ), which can be releasably attached to the connecting part ( 1 ) and which has a seat ( 79 ) for the filter element provided in the form of a filter leaf ( 61 ), in which the filter leaf ( 61 ) is held in such a manner that it forms, with at least a portion of both of its broadsides, a partition between two successive seal passages ( 59 and 69 ) adjacently extending in principal directions that are at least approximately parallel to one another.

IPC 8 full level

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