

Title (en)
Plate for equilibrating a fluid

Title (de)
Gleichgewichtsvorrichtung

Title (fr)
Dispositif d'équilibrage

Publication
EP 1872856 A1 20080102 (EN)

Application
EP 07110674 A 20070620

Priority
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Abstract (en)
An equilibration device (1) for equilibrating a fluid, comprising a plate (5) with a well (51) wherein an opening of the well (51) is arranged at a surface side (53) of the plate (5). It also has a cover (2) for covering the surface side (53) of the plate (5) and a first sealing layer (4) being arrangeable adjacent to the surface side (53) between the plate (5) and the cover (2). The equilibration device (1) further comprises a second sealing layer (3) being arrangeable adjacent to the cover (2) between the plate (5) and the cover (2) and a tube (6) with an open end, being arrangeable inside the well (51) such that the open end of the tube (6) projects above the opening of the well (51). The first sealing layer (4) has a through hole (41) wherein the first sealing layer (4) is arrangeable such that a border (411) of the through hole (41) is arranged on a border (61) of the open end of the tube (6) when the tube (6) is arranged inside the well (51). The use of two sealing layers (3, 4) in the equilibration device (1) allows to combine advantages of both single sealing layers (3, 4). In particular, the advantages of a material of the first sealing layer (4), e.g. high flexibility to seal uneven areas and to compensate the step formed by the tube projecting above the opening of the well (51), as well as the advantages of a material of the second sealing layer (3), e.g. inexpensiveness, can come to combined effect when the two sealing layers are arranged appropriately.

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Citation (search report)
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