

Title (en)  
DEVICE FOR CONTROLLED LAYERING OF LIQUIDS

Title (de)  
VORRICHTUNG ZUR KONTROLLIERTEN BESCHICHTUNG VON FLÜSSIGKEITEN

Title (fr)  
DISPOSITIF POUR LA STRATIFICATION COMMANDÉE DE LIQUIDES

Publication  
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Application  
**EP 21755843 A 20210624**

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Abstract (en)  
[origin: WO2022005314A1] A device for controlled layering of liquids, in particular for layering liquids prior separation with density gradient centrifugation, the device comprising a loading chamber (11), a draining chamber (40) and a liquid flow regulating element from the loading chamber (11) to the draining chamber (40), characterised in that the liquid flow regulating element comprises a piston type mechanism (19) and at least one flow transfer channel (32) in the wall of the flow segment (31), wherein the piston type mechanism (19) comprising a flow segment (31) and the piston (20) axially movable with respect to the flow segment (31), the piston (20) is provided with a shaft (23) and a sealing lip (22) tightly adhering to the inner surface of the flow segment (31) wall. The invention also relates to a density gradient centrifugation assembly comprising a controlled layering device and the centrifuge container (61).

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