

Title (en)  
SUBLIMATION APPARATUS AND FREEZE-DRYING PROCESS

Title (de)  
SUBLIMATIONSVORRICHTUNG UND GREFRIERTROCKNUNGSPROZESS

Title (fr)  
DISPOSITIF DE SUBLIMATION ET PROCÉDÉ DE LYOPHILISATION

Publication  
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Application  
**EP 17719667 A 20170410**

Priority

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Abstract (en)  
[origin: WO2017178740A1] The invention relates to a freeze-drying device comprising: – an evaporation chamber (5) comprising heating means (15, 16), – a condensing chamber (10) communicating with the said evaporation chamber, – the said evaporation chamber (5) and the said condensing chamber (10) being mounted secured to one another about an axle (30) capable of rotating, characterized in that the device further comprises: – a products inlet and outlet (1, 8) which are connected to the said evaporation chamber (5) by flexible connectors, the products inlet and outlet (1, 8) being mounted fixedly with respect to the evaporation chamber, and – a motor (12) driving the said axle (30) on itself with the following back-and-forth movement: – a first movement driving the said axle (30) in a first direction of rotation with an angle of rotation ( $\alpha_1$ ) of between 5° and 90°, and – a second movement driving the said axle (30) in a second direction of rotation, opposite to the first angle of rotation, with an angle of rotation ( $\alpha_2$ ) of between -5° and -90°.

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