

Title (en)

Apparatus for the sublimation drying of materials.

Title (de)

Anlage zur Sublimationstrocknung von Stoffen.

Title (fr)

Dispositif pour séchage par sublimation de substances.

Publication

EP 0330890 A2 19890906 (DE)

Application

EP 89102398 A 19890211

Priority

DE 3806299 A 19880227

Abstract (en)

In a known apparatus for the sublimation drying of materials, a condenser chamber is connected to a drying chamber via a connection line containing a valve. Situated inside the drying chamber is a sliding mechanism for the vacuum-tight closure of vessels containing the drying substance after drying is completed. This known apparatus is disadvantageous because of great constructional volume and also because separate drives are necessary on the one hand for the valve and on the other hand for the sliding mechanism. In an apparatus according to the invention, the drives for the sliding mechanism and the valve are constructionally combined and the resulting drive unit is structurally integrated into the condenser chamber. In addition to a space-saving construction, a simpler constructional shape is also obtained as a result of the combination mentioned.

<IMAGE>

Abstract (de)

In einer Anlage zur Sublimationstrocknung von Stoffen sind die Antriebe (16) für den Verschiebemechanismus zum vakuumdichten Verschließen von die Trockungssubstanz enthaltenden Gefäßen (11) nach vollendeter Trocknung und das Ventil in der Verbindungsleitung (10, 30) zwischen Trocknungskammer (1, 26) und Kondensatorkammer (7, 27) konstruktiv zusammengefaßt, und ist die sich hierbei ergebende Antriebseinrichtung (16) baulich in die Kondensatorkammer (7, 27) integriert.

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