

Title (en)  
FREEZE-DRYING PLANT

Title (de)  
GEFRIERTROCKNUNGSANLAGE

Title (fr)  
INSTALLATION DE LYOPHILISATION

Publication  
**EP 4063774 B1 20240410 (DE)**

Application  
**EP 21211699 A 20211201**

Priority  
DE 202021101537 U 20210324

Abstract (en)  
[origin: US2022307767A1] A freeze drying plant for drying products containing liquid has a vacuum chamber configured to receive the products. A reception device has at least one reception plate onto which the products can be applied. A cooling system has a fluid circuit configured to cool and/or to heat the products by a cooling fluid conducted in the fluid circuit. The reception plate has at least one closed fluid space that is connected to the fluid circuit and that cooling fluid flows through. At least one sound generator introduces ultrasound into the products during a drying phase, with the sound generator disposed in the fluid space and being able to be flowed around by cooling fluid.

IPC 8 full level  
**F26B 5/06** (2006.01); **F26B 5/02** (2006.01); **F26B 23/10** (2006.01)

CPC (source: CN EP US)  
**F26B 3/20** (2013.01 - EP); **F26B 5/02** (2013.01 - CN EP US); **F26B 5/06** (2013.01 - CN EP US); **F26B 9/06** (2013.01 - CN EP); **F26B 21/086** (2013.01 - CN); **F26B 23/10** (2013.01 - CN EP)

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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