

Title (en)

FREEZE-DRYER AND METHOD FOR OPERATING A FREEZE-DRYER

Title (de)

GEFRIERTROCKNER UND VERFAHREN ZUM BETRIEB EINES GEFRIERTROCKNERS

Title (fr)

LYOPHILISATEUR ET PROCÉDÉ POUR FAIRE FONCTIONNER UN LYOPHILISATEUR

Publication

EP 2373947 A2 20111012 (DE)

Application

EP 09809020 A 20091204

Priority

- DE 2009001713 W 20091204
- DE 102008060227 A 20081204
- DE 102008061262 A 20081210
- DE 102009008970 A 20090214

Abstract (en)

[origin: WO2010063278A2] The invention relates to a freeze-dryer, wherein the frozen goods can be suitably processed by means of frozen goods covers. The time required for cleaning and sterilization of the freeze-dryer is also shortened by a suitable cleaning nozzle, by flush-closing lifters, by drying nozzles, and by the use of caustic soda or hydrogen peroxide.

IPC 8 full level

F26B 5/06 (2006.01)

CPC (source: EP)

F26B 5/06 (2013.01); **F26B 25/00** (2013.01)

Citation (search report)

See references of WO 2010063278A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

DE 102009008970 A1 20100610; DE 112009003258 A5 20121115; EP 2373947 A2 20111012; WO 2010063278 A2 20100610; WO 2010063278 A3 20110407

DOCDB simple family (application)

DE 102009008970 A 20090214; DE 112009003258 T 20091204; DE 2009001713 W 20091204; EP 09809020 A 20091204