

Title (en)  
DRYING APPARATUS

Title (de)  
TROCKNUNGSVORRICHTUNG

Title (fr)  
APPAREIL DE SÉCHAGE

Publication  
**EP 3078927 A1 20161012 (EN)**

Application  
**EP 16151652 A 20160118**

Priority  
JP 2015078822 A 20150408

Abstract (en)  
A suction port 15 of a suction duct 12 corresponding to a tray vent hole 4 at a position, at which a drying target object W1 is not mounted, is covered with a first resistant lid R1 in which a first vent hole 17a is formed and hot air circulates through the first vent hole 17a. In the suction duct 12 corresponding to the tray vent hole 4 at a position at which a drying target object W1 is mounted, hot air flows through a first gap S1 formed between the first resistant lid R1 and the suction port 15, and does not pass through the first vent hole 17a of the first resistant lid R1. In other words, air resistance of the first vent hole 17a is set to be the same as air resistance of the drying target object W1, thereby it is possible for the same amount of hot air to pass through any one of the tray vent holes 4 and it is possible to perform the drying under the same condition as in a case where a drying process is performed on the maximum number of drying target objects.

IPC 8 full level  
**F26B 15/14** (2006.01); **F26B 21/04** (2006.01); **F26B 21/12** (2006.01); **F26B 25/18** (2006.01)

CPC (source: CN EP)  
**F26B 15/14** (2013.01 - CN EP); **F26B 21/00** (2013.01 - CN); **F26B 21/006** (2013.01 - CN); **F26B 21/04** (2013.01 - EP); **F26B 21/12** (2013.01 - EP); **F26B 25/18** (2013.01 - EP)

Citation (search report)  
• [A] JP 3432388 B2 20030804  
• [A] JP 2000301004 A 20001031 - CATALER CORP  
• [A] US 2012001358 A1 20120105 - CLARK TERENCE J [US], et al  
• [A] WO 2013125525 A1 20130829 - SUMITOMO CHEMICAL CO [JP]  
• [A] US 2010078859 A1 20100401 - TAKAGI SHUICHI [JP], et al

Cited by  
CN117283766A; CN111486689A; CN115493382A; CN115406204A; CN110617691A; CN115325798A; CN115978969A

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3078927 A1 20161012**; **EP 3078927 B1 20180905**; CN 106052351 A 20161026; CN 106052351 B 20190709; JP 2016200300 A 20161201; JP 6384673 B2 20180905

DOCDB simple family (application)  
**EP 16151652 A 20160118**; CN 201610064934 A 20160129; JP 2015078822 A 20150408