

Title (en)
DRYING DEVICE

Title (de)
TROCKNUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE SECHAGE

Publication
EP 1472968 A1 20041103 (EN)

Application
EP 02791986 A 20021225

Priority
• JP 0213517 W 20021225
• JP 2001401114 A 20011228

Abstract (en)
The present invention is a drying apparatus (1), comprising a storage part (2) formed with plural stages of drying chambers for removably storing objects to be dried, a blowing part (3) for blowing and circulating air in the storage part (2) laterally from one side to the other side, and a heater part (3b) for heating the air circulated in the storage part (2), wherein the blowing part (3) is formed as a hollow vertical blowing chamber (30) and a blowing tube (7) forming an independent tubular air path (71) for blowing the air heated by the heater part (3b) from either of the upper and lower drying chamber sides to the other drying chamber side is installed in the blowing chamber (30). <??>The heater part (3b) is installed in the blowing tube (7), and a blowing fan (32) is installed on the upstream side of the blowing tube (7). The storage part (2) and the blowing part (3) are dividedly formed on an upper body (1a) side and a lower body (1b) side. <IMAGE>

IPC 1-7
A47L 23/20; **D06F 58/10**

IPC 8 full level
A47L 15/48 (2006.01); **A47L 23/20** (2006.01); **D06F 58/10** (2006.01); **F26B 9/00** (2006.01); **F26B 9/06** (2006.01); **F26B 21/02** (2006.01); **F26B 25/00** (2006.01); **F26B 25/06** (2006.01); **D06F 34/26** (2020.01)

CPC (source: EP US)
A47L 23/205 (2013.01 - EP); **D06F 58/10** (2013.01 - EP US); **F26B 9/06** (2013.01 - EP); **F26B 21/02** (2013.01 - EP); **F26B 25/00** (2013.01 - EP US); **F26B 25/06** (2013.01 - EP); **D06F 34/26** (2020.02 - EP US)

Citation (search report)
See references of WO 03056999A1

Cited by
CN107691971A; CN103782799A; US8555519B2; WO2023113378A1; EP1805467B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
EP 1472968 A1 20041103; AU 2002361090 A1 20030724; CN 1617684 A 20050518; JP 2003190072 A 20030708; JP 3535135 B2 20040607; WO 03056999 A1 20030717

DOCDB simple family (application)
EP 02791986 A 20021225; AU 2002361090 A 20021225; CN 02827716 A 20021225; JP 0213517 W 20021225; JP 2001401114 A 20011228