

Title (en)  
Drying apparatus

Title (de)  
Vorrichtung zum Trocknen

Title (fr)  
Dispositif de séchage

Publication  
**EP 0887606 B1 20020306 (DE)**

Application  
**EP 98110125 A 19980603**

Priority  
DE 29711315 U 19970628

Abstract (en)  
[origin: EP0887606A1] A dryer, especially suitable for wood, comprises a vessel which can be closed, carrying a flow of air through the wood. A vacuum pump is connected to the vessel. There is a heater on the air inlet, and the vessel is followed by a condenser. The air circuit is coupled to a closed coolant circuit (48) of a refrigeration machine, of which an evaporator (46) serves as a water condenser (44), and which is connected via a compressor (66) with a further, coolant circuit condenser (64), which forms part of the heating unit. Preferably, condensed water is collected (52, 56) outside the drying vessel. A spray tube (40) is provided to moisten the wood in the vessel (18), and a blower circulates the air (24).

IPC 1-7  
**F26B 5/04**; **F26B 21/08**

IPC 8 full level  
**F26B 5/04** (2006.01); **F26B 21/08** (2006.01)

CPC (source: EP)  
**F26B 5/04** (2013.01); **F26B 21/086** (2013.01); **F26B 2210/16** (2013.01)

Citation (examination)

- DE 310352 C
- IT 1274229 A
- DE 2821259 A1 19781123 - PAGNOZZI VINCENZO
- DD 239463 A1 19860924 - ECKHOLD KARL HEINZ
- DE 2942651 A1 19800508 - CEAF SPA
- DE 9005827 U1 19900823
- DE 7910260 U1 19841129
- DE 7730681 U1 19780921
- WO 9601401 A1 19960118 - HIGH SPEED TECH LTD OY [FI], et al
- DE 3416056 A1 19851031 - SHONETSUGAKU KENKYUSHO KK [JP]
- FR 729045 A 19320716
- DE 2721256 A1 19771124 - PAGNOZZI ERNESTO GUGLIELMO
- DE 3536595 A1 19860417 - PAGNOZZI VINCENZO, et al
- Ernst Schmidt, Einführung in die technische Thermodynamik, 1958, Seiten 364 bis 372;

Cited by  
EP2479523A4; CN109405446A; CN112325600A; IT202200010103A1; CN104713313A; CN110455068A; DE102009014853A1; DE102009014855A1; WO02090852A1; WO02065039A1

Designated contracting state (EPC)  
AT CH DE FR IT LI

DOCDB simple family (publication)  
**EP 0887606 A1 19981230**; **EP 0887606 B1 20020306**; **EP 0887606 B2 20080130**; AT E214149 T1 20020315; DE 29711315 U1 19970828; DE 59803248 D1 20020411

DOCDB simple family (application)  
**EP 98110125 A 19980603**; AT 98110125 T 19980603; DE 29711315 U 19970628; DE 59803248 T 19980603