

Title (en)

Device for producing a predetermined relative humidity in the air

Title (de)

Vorrichtung zur Erzeugung einer definierten relativen Luftfeuchte

Title (fr)

Dispositif pour produire une humidité relative déterminée dans l'air

Publication

EP 0989373 A3 20020724 (DE)

Application

EP 99118774 A 19990923

Priority

AT 62298 U 19980925

Abstract (en)

[origin: EP0989373A2] A saturator chamber (1) is linked to a measuring chamber (2) by a connecting pipe (4.1,4.2), both with equal temperatures. Relative humidity is adjusted by a mere variation in the saturator chamber pressure (p1) and the measuring chamber pressure (p2). A valve unit (5) is fitted in the connecting pipe. Thermal contact is maintained with a heating device (6) by the valve unit and an area of the connector pipe between the valve unit and the saturator chamber.

IPC 1-7

F24F 6/02

IPC 8 full level

G05D 22/00 (2006.01); **F24F 6/02** (2006.01)

CPC (source: EP US)

F24F 6/02 (2013.01 - EP US)

Citation (search report)

- [A] WO 9826826 A1 19980625 - COOK WILLIAM A AUSTRALIA [AU]
- [A] US 3659604 A 19720502 - MELVILLE ALFRED W, et al
- [A] WO 9534076 A1 19951214 - ENDRESS & HAUSER INC [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 01 30 January 1998 (1998-01-30)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 01 30 January 1998 (1998-01-30)
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 075 (C - 1163) 8 February 1994 (1994-02-08)

Cited by

DE112011100765B4; DE102005012373A1; DE102005012373B4; DE10203637A1; DE10203637B4; DE10232172A1; DE10232172B4; US7281669B2; EP1624356A1; US7395673B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0989373 A2 20000329; EP 0989373 A3 20020724; EP 0989373 B1 20040811; AT 3403 U1 20000225; AT E273488 T1 20040815; DE 59910183 D1 20040916; JP 2000112534 A 20000421; US 6299147 B1 20011009

DOCDB simple family (application)

EP 99118774 A 19990923; AT 62298 U 19980925; AT 99118774 T 19990923; DE 59910183 T 19990923; JP 26572899 A 19990920; US 40602599 A 19990924