

Title (en)

HOT AIR DRIER

Publication

EP 0505116 A3 19930224 (EN)

Application

EP 92302213 A 19920313

Priority

- AU PK511891 A 19910319
- AU PK929991 A 19911105

Abstract (en)

[origin: EP0505116A2] A hot air drier has a heat exchanger (25) for transferring heat to a first flow path (45) from a second flow path (30). The first flow path (45) has a blower unit (14) and an electrical heater (22) for pre-heating outside air and discharging it into a confined space where clothing or body drying is carried out. The humidified air is drawn out of the space and into the second flow path (30). A motor (40) controlled by a temperature or humidity detector (70) operates a pair of fan impellers (41,42) at the entries of respective passages through the heat exchanger. During a start-up phase the motor (40) is not operated and a by-pass circuit allows the blower unit (14) to re-circulate air through the confined space so that the air temperature rises rapidly to optimum drying conditions prevail. The motor (40) is then operated. The drier operates economically without discharging hot humidified air into the surrounding room.

IPC 1-7

A47K 10/48

IPC 8 full level

A47K 10/48 (2006.01); **D06F 58/26** (2006.01); **F26B 9/06** (2006.01)

CPC (source: EP KR)

A47K 10/48 (2013.01 - EP); **F26B 3/00** (2013.01 - KR)

Citation (search report)

- [X] FR 2511761 A3 19830225 - SCHONMANN WILFRED [CH]
- [X] FR 2367999 A1 19780512 - BALTES HANS [DE]
- [X] US 4103433 A 19780801 - TAYLOR JAMES R
- [A] EP 0324649 A1 19890719 - CREDA LTD [GB]
- [Y] FR 2054819 A5 19710507 - EGISA RAND
- [A] GB 951737 A 19640311 - PLANET JIG & TOOL COMPANY LTD

Cited by

CN116358258A; US6430364B2; GB2375812A; CN103829868A; CN112006836A; US2010011612A1; US8720080B2; US6962005B1; US9015960B2

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