

Title (en)

CONTINUOUS TEXTILE WEB DRIER

Title (de)

TROCKNER FÜR DURCHLAUFENDE TEXTILBAHNEN

Title (fr)

SECHOIR POUR BANDE DE TISSU CONTINUE

Publication

EP 0838014 A1 19980429 (DE)

Application

EP 96922027 A 19960625

Priority

- DE 19525545 A 19950713
- EP 9602754 W 19960625

Abstract (en)

[origin: US5946819A] PCT No. PCT/EP96/02754 Sec. 371 Date Nov. 26, 1997 Sec. 102(e) Date Nov. 26, 1997 PCT Filed Jun. 25, 1996 PCT Pub. No. WO97/03331 PCT Pub. Date Jan. 30, 1997Tenter driers are frequently used for drying textile webs whose edges have an increased weight per unit area or have been treated with glue. It is extremely difficult to dry the edges to the same degree of residual humidity as the remainder of the web. In the inlet region, the blower box has been replaced by blower pipes extending parallel to the chain rails. The pipes are connected to the recirculated air system of the drier and provided with nozzle apertures directed towards the web edges. Since only a low drying capacity is available, the drier either has to be extended or the throughput speed has to be decreased. With the drier according to the invention, a longitudinal section which starts at the inlet and extends over at least 20% of the total length is equipped with blower pipes (27, 28) aligned parallel to the chain rails (13, 14). Blower boxes (18, 19) are also mounted in this longitudinal section, both above and below the textile web (15). In order to feed drying medium to the blower pipes (27, 28), an additional blower (32) which is connected to a blower box (18) in the inlet region (1) is provided.

IPC 1-7

F26B 13/00; **F26B 25/22**

IPC 8 full level

F26B 13/00 (2006.01); **F26B 13/02** (2006.01); **F26B 13/12** (2006.01); **F26B 25/22** (2006.01)

CPC (source: EP US)

F26B 13/007 (2013.01 - EP US); **F26B 13/12** (2013.01 - EP US)

Citation (search report)

See references of WO 9703331A1

Designated contracting state (EPC)

AT DE IT

DOCDB simple family (publication)

US 5946819 A 19990907; AT E198664 T1 20010115; DE 19525545 C1 19960926; DE 59606318 D1 20010215; EP 0838014 A1 19980429; EP 0838014 B1 20010110; TR 199701371 T1 19980221; WO 9703331 A1 19970130

DOCDB simple family (application)

US 97363397 A 19971126; AT 96922027 T 19960625; DE 19525545 A 19950713; DE 59606318 T 19960625; EP 9602754 W 19960625; EP 96922027 A 19960625; TR 9701371 T 19960625