

Title (en)  
Dryer with air circulation

Title (de)  
Umlufttrockner

Title (fr)  
Sécheur à circulation d'air

Publication  
**EP 0969259 A3 20010912 (DE)**

Application  
**EP 99111834 A 19990619**

Priority  
• DE 19829134 A 19980630  
• DE 19915923 A 19990409

Abstract (en)  
[origin: EP0969259A2] The dryer for textile piecegoods, using recirculating air, has a shaft (31) for the bypass flap (30) in the lower half of the bypass opening (29). The bypass flap (30) has a longer (32) and a shorter (33) leg. The length of the longer leg (32) is at least equal to the gap between the shaft (31) and the upper edge (34) of the deflection plate (24). To set the flap (30) into the bypass setting, the bypass opening (29) is divided into two sections. One part is a flow section (37) linked to the pressure chamber (25) and a suction section (38) is connected to the distribution chamber (26). The dimensions of the opening of the flow section (37) to the opening of the suction section (38) are in a ratio of 2.5 to 5.0. The bypass flap (30) is at an acute angle to the vertical, with its upper end offset towards the distribution chamber (25). The shaft (31) for the bypass flap (30) is higher than the upper edge (34) of the deflection plate (24). Limit stops (40,41) with spring plates (42,43) are at the upper and lower ends of the bypass opening (29).

IPC 1-7  
**F26B 13/10**; **F26B 21/02**

IPC 8 full level  
**F26B 13/10** (2006.01); **F26B 21/02** (2006.01)

CPC (source: EP)  
**F26B 21/02** (2013.01)

Citation (search report)  
• [DA] DE 4033637 A1 19920430 - BABCOCK TEXTILMASCH [DE]  
• [DA] DE 3336331 A1 19850502 - MONFORTS GMBH & CO A [DE]

Cited by  
CN105020997A; CN108662893A; CN111495713A; CN112981930A

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 0969259 A2 20000105**; **EP 0969259 A3 20010912**; **EP 0969259 B1 20040915**; DE 59910491 D1 20041021; PT 969259 E 20041231

DOCDB simple family (application)  
**EP 99111834 A 19990619**; DE 59910491 T 19990619; PT 99111834 T 19990619