

Title (en)
VERTICAL DRYER

Publication
EP 0141227 B1 19871104 (DE)

Application
EP 84111229 A 19840920

Priority
DE 3334381 A 19830923

Abstract (en)
[origin: US4658512A] A predrying tower serves for heat-treating a vertically conducted length of material. In addition to infrared heating rods arranged on each side of the length of material and over the treatment height of the drying tower, respectively one air supply box is arranged bilaterally of the length of material. The air supply box extends over the height and width of the drying tower, with air slots oriented to direct air toward the length of material. In order to obtain a circulating air system, the air is exhausted above the treatment zone over the width of the length of material and conducted to a fan arranged at the end face of the drying tower, this fan blowing the treatment air downwardly in an air recycle chamber arranged likewise at the end face of the drying tower. An air ramming or air collecting chamber is arranged on the underside of the drying tower over the operating width, wherein the accelerated air is laterally introduced and exits upwardly via a heating device into the air conducting box.

IPC 1-7
F26B 13/10; **F26B 7/00**; **F26B 3/30**

IPC 8 full level
F26B 3/28 (2006.01); **F26B 3/30** (2006.01); **F26B 7/00** (2006.01); **F26B 13/02** (2006.01); **F26B 13/10** (2006.01); **F26B 21/02** (2006.01)

CPC (source: EP US)
F26B 3/283 (2013.01 - EP US); **F26B 13/10** (2013.01 - EP US); **F26B 21/02** (2013.01 - EP US)

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Cited by
EP0336120A3; EP0470418A3; EP0437272A1; EP0607560A1; US5502788A; EP1171744B1

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