

Title (en)

Sieve drum drying apparatus for drying pervious material webs

Title (de)

Siebtrommelvorrichtung zum Trocknen von durchlässigen Warenbahnen

Title (fr)

Dispositif de séchage à tambour perforé pour séchage de bandes continues perméables

Publication

EP 1048914 B1 20040929 (DE)

Application

EP 00108502 A 20000419

Priority

DE 19919757 A 19990429

Abstract (en)

[origin: US6378226B1] Each screen drum design has, in front of the rotating screen drum which transports the web, a stationary screen cover whose purpose is retention of the dry air coming from the fan, uniform throughput of the air through the screen cover, and a uniform drying process over the width of the web. The screen cover has a perforation whose permeability is adapted to the degree of drying. At the beginning of the drying process, when the web is not yet very permeably, the screen cover is to be perforated provided a smaller free air throughput surface and, as the degree of dryness increases, a larger free air throughput surface by making the holes larger in diameter or provided a larger number of holes per unit surface.

IPC 1-7

F26B 13/16

IPC 8 full level

F26B 13/16 (2006.01)

CPC (source: EP US)

F26B 13/16 (2013.01 - EP US); **Y10S 68/903** (2013.01 - US)

Cited by

CN108626993A; EP3165861A1; US8997371B2; WO2011127885A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1048914 A2 20001102; **EP 1048914 A3 20010912**; **EP 1048914 B1 20040929**; DE 19919757 A1 20001102; DE 50007957 D1 20041104; US 6378226 B1 20020430

DOCDB simple family (application)

EP 00108502 A 20000419; DE 19919757 A 19990429; DE 50007957 T 20000419; US 56196400 A 20000501