

Title (en)
Drying of fibrous web

Title (de)
Faserstoffbahntrocknung

Title (fr)
Séchage de bandes fibreuses

Publication
EP 1006327 A3 20011205 (DE)

Application
EP 99121524 A 19991029

Priority
DE 19855940 A 19981204

Abstract (en)
[origin: EP1006327A2] The appts. to dry a fiber web (1) uses a laser light. Its frequency is set so that the laser beams are better absorbed by water than the other components of the web (1). The intensity of the laser light is controlled in separate zones, across the web (1). The extension of the web zones affected by the laser light can be controlled, at least on the longitudinal line of the web (1). The laser (2) is disconnected on a web (1) break. A number of lasers (2) are deployed across the web (1) width, aligned at the web, and they can be on both sides of the web (1). The machine is shrouded at the laser sites. At least one visible light source (3) is fitted in a row of lasers (2).

IPC 1-7
F26B 3/28; F26B 13/00; D21F 5/16

IPC 8 full level
D21F 5/16 (2006.01); **F26B 3/28** (2006.01); **F26B 13/00** (2006.01)

CPC (source: EP US)
D21F 5/16 (2013.01 - EP US); **F26B 3/28** (2013.01 - EP US); **F26B 13/008** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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EP 1006327 A2 20000607; **EP 1006327 A3 20011205**; DE 19855940 A1 20000608; US 6675494 B1 20040113

DOCDB simple family (application)
EP 99121524 A 19991029; DE 19855940 A 19981204; US 45215799 A 19991201