

Title (en)

AIR FLOAT BAR

Publication

EP 0346081 B1 19921223 (EN)

Application

EP 89305719 A 19890607

Priority

- US 20307688 A 19880607
- US 20313888 A 19880607

Abstract (en)

[origin: EP0346081A1] An air float bar for use in floating and drying a continuous planar web of a material in a dryer includes at least one lamp (36) radiating electromagnetic energy which may, for example, be ultra-violet or infra-red. Direct radiated or reflected electromagnetic energy from the lamp in a removable air bar channel assembly accelerates drying, or evaporation of solvents, or curing of planar web material passing in proximity to the air float bar either by electromagnetic energy, or in combination with web-supporting air flow. The lamp is cooled by pressurized air passing through an interior portion of the removable air bar channel. The web supporting air flow may be subject to the Coanda effect.

IPC 1-7

F26B 3/28; **F26B 13/20**

IPC 8 full level

F26B 3/28 (2006.01); **F26B 13/20** (2006.01)

CPC (source: EP)

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Cited by

GB2236584A; EP0508253A1; EP0508254A1; FR2710971A1; EP0539013A1; EP0743178A3; EP0507218A1; EP0916915A1; FR2771161A1; US6088930A; EP0452867A1; US5299362A; WO9510012A1

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