

Title (en)

Apparatus for drying a liquid coating applied onto a moving substrate.

Title (de)

Vorrichtung zum Trocknen einer auf einem bewegten Trägermaterial aufgetragenen Flüssigkeitsschicht.

Title (fr)

Dispositif pour le séchage d'une couche liquide appliquée sur un substrat en mouvement.

Publication

EP 0414125 B1 19941221 (DE)

Application

EP 90115682 A 19900816

Priority

DE 3927627 A 19890822

Abstract (en)

[origin: JPH0398673A] PURPOSE: To evaporate the solvent of a liquid film on a moving substrate by taking the substrate along a web while freely suspending the substrate on a transporting cushion of a drying gas flowing with respect to the lower side of the substrate and evaporating the greater part of its solvent component by the heating and drying gas, then carrying the vapor of the solvent component from the upper side of the substrate. CONSTITUTION: Gas or air supplying systems 11, 12 are arranged both above and below the moving substrate 2. An applying device 5 applies the liquid film 3 on this moving substrate 2. The substrate 2 is taken while the substrate is freely suspended along the web on the transporting cushion generated by the gas or air supplying system 11 in the lower part through a drying zone 21.

IPC 1-7

F26B 13/20

IPC 8 full level

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CPC (source: EP US)

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Cited by

CN103814266A; KR20200085825A; EP0528372A1; US5293699A; US11897179B2; WO2019101808A1

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DE

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EP 90115682 A 19900816; DE 3927627 A 19890822; DE 59008062 T 19900816; JP 22093190 A 19900822; US 57084890 A 19900822