

Title (en)

METHOD AND DEVICE FOR APPLYING A PIGMENT COATING TO A STRIP OF PAPER OR CARDBOARD

Title (de)

VERFAHREN UND VORRICHTUNG ZUM AUFTRAGEN EINER PIGMENTSTREICHFARBE AUF EINE PAPIER- ODER KARTONBAHN

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT D'APPLIQUER UN ENDUIT PIGMENTE SUR UNE BANDE DE PAPIER OU DE CARTON

Publication

EP 1003934 A2 20000531 (DE)

Application

EP 98936301 A 19980530

Priority

- DE 19735588 A 19970815
- EP 9803251 W 19980530

Abstract (en)

[origin: US6468592B1] A web is coated by passing it in a horizontal web travel direction beneath a slot nozzle extending transversely of the direction. A pigment-carrying liquid is ejected at a flow speed from a slot of the nozzle to form a downwardly free-falling curtain extending across the web. A vertical inner face of a guide element is oriented at each outer edge of the curtain with each face extending from a respective end of the slot downward to adjacent the passing web. An upper region of each of the inner faces is fed is to a respective partial stream of the liquid such that the partial streams flow down the respective inner faces at a speed at least equal to the curtain flow speed and merge with the outer edges of the curtain.

IPC 1-7

D21H 23/48

IPC 8 full level

D21H 23/48 (2006.01)

CPC (source: EP US)

D21H 23/48 (2013.01 - EP US); **Y10S 118/04** (2013.01 - EP US)

Citation (search report)

See references of WO 9909253A2

Cited by

EP3006115A1; DE102014013996A1

Designated contracting state (EPC)

AT DE ES FI FR GB IT SE

DOCDB simple family (publication)

US 6468592 B1 20021022; AT E231939 T1 20030215; DE 59807083 D1 20030306; EP 1003934 A2 20000531; EP 1003934 B1 20030129; WO 9909253 A2 19990225; WO 9909253 A3 19990514

DOCDB simple family (application)

US 48577600 A 20000215; AT 98936301 T 19980530; DE 59807083 T 19980530; EP 9803251 W 19980530; EP 98936301 A 19980530