

Title (en)

SLIT NOZZLE FOR COATING STRIPS OF MATERIAL, ESPECIALLY PAPER OR BOARD STRIPS, WITH A PIGMENT COATING

Title (de)

SCHLITZDÜSE ZUM BESCHICHTEN VON MATERIALBAHNEN, INSBESONDERE PAPIER- ODER KARTONBAHNEN MIT PIGMENTSTREICHFARBE

Title (fr)

BUSE FENDUE POUR ENDUIRE DES BANDES DE MATERIAU, NOTAMMENT DES BANDES DE PAPIER OU DE CARTON AVEC UNE SAUCE DE COUCHAGE AU PIGMENT

Publication

**EP 1040227 A1 20001004 (DE)**

Application

**EP 98956850 A 19981017**

Priority

- DE 19755625 A 19971215
- EP 9806587 W 19981017

Abstract (en)

[origin: US6471775B1] A slot nozzle for coating webs of material, for example, paper, paperboard, cardboard, with a flowable coating substance, for example, a pigment coating, has a slot shaped outlet channel to which a distribution chamber extending over the width of the web is connected. A plurality of supply conduits are connected to the distribution chamber in spaced relationship across the width of the web and the length of the outlet channel and each supply conduit has a valve for adjusting the volume flow of the coating liquid. A respective diffuser is provided between each supply conduit and the distribution chamber and widens in the direction of the latter.

IPC 1-7

**D21H 23/32**; **D21H 23/48**

IPC 8 full level

**D21H 23/32** (2006.01); **D21H 23/48** (2006.01)

CPC (source: EP US)

**B05C 5/0262** (2013.01 - EP US); **D21H 23/32** (2013.01 - EP US); **D21H 23/48** (2013.01 - EP US); **Y10S 118/04** (2013.01 - EP US)

Citation (search report)

See references of WO 9931321A1

Designated contracting state (EPC)

AT CH DE ES FI FR GB IT LI NL SE

DOCDB simple family (publication)

**US 6471775 B1 20021029**; AT E230815 T1 20030115; DE 19755625 A1 19990701; DE 59806893 D1 20030213; EP 1040227 A1 20001004; EP 1040227 B1 20030108; WO 9931321 A1 19990624

DOCDB simple family (application)

**US 58169400 A 20000717**; AT 98956850 T 19981017; DE 19755625 A 19971215; DE 59806893 T 19981017; EP 9806587 W 19981017; EP 98956850 A 19981017