

Title (en)

METHOD AND DEVICE FOR PRODUCING THIN FILMS OF LIQUID IN THE FORM OF A COATING OR SHEET

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG DÜNNER SCHICHTEN AUS FLÜSSIGKEITEN ALS BESCHICHTUNG ODER FOLIE

Title (fr)

PROCEDE ET DISPOSITIF POUR LA PREPARATION DE COUCHES MINCES DE LIQUIDE SOUS FORME DE REVETEMENT OU DE PELLICULE

Publication

EP 0558739 B1 19970514 (DE)

Application

EP 92920892 A 19920923

Priority

- DE 4131849 A 19910925
- DE 9200816 W 19920923

Abstract (en)

[origin: WO9305906A1] In order to produce improved films for application to a substrate without the need for additional devices for heating the substrate, the liquid is applied to the substrate in larger amounts than necessary for the formation of the coating. The excess liquid is drawn off and particularly re-used. The liquid is fed, by means of appropriate pressure control, on to the substrate in a laminar-flow stream at least in the contact zone between liquid and substrate. Described is a flow applicator (1) which, in addition, has a discharge channel (4) above the outlet channel (5). Between the input channel (2) and the discharge channel (4) is a channel (3) in the vicinity of which the excess liquid is used to heat the substrate (30).

IPC 1-7

B22D 11/06; **B22D 11/00**; **C23C 6/00**; **B05D 1/26**; **B05C 3/18**

IPC 8 full level

B05C 3/18 (2006.01); **B05D 1/26** (2006.01); **B22D 11/00** (2006.01); **B22D 11/06** (2006.01); **C23C 6/00** (2006.01); **B05C 5/02** (2006.01)

CPC (source: EP)

B05C 3/18 (2013.01); **B05C 5/0295** (2013.01); **B05D 1/26** (2013.01); **B22D 11/008** (2013.01); **B22D 11/0631** (2013.01); **B22D 11/064** (2013.01)

Designated contracting state (EPC)

AT DE FR GB IT

DOCDB simple family (publication)

WO 9305906 A1 19930401; AT E152940 T1 19970515; DE 4131849 C1 19930128; DE 59208496 D1 19970619; EP 0558739 A1 19930908; EP 0558739 B1 19970514

DOCDB simple family (application)

DE 9200816 W 19920923; AT 92920892 T 19920923; DE 4131849 A 19910925; DE 59208496 T 19920923; EP 92920892 A 19920923