

Title (en)

DEVICE FOR COATING A RUNNING MATERIAL WEB

Title (de)

VORRICHTUNG ZUM BESCHICHTEN EINER LAUFENDEN MATERIALBAHN

Title (fr)

DISPOSITIF DE REVETEMENT D'UNE BANDE DE MATERIAU CIRCULANTE

Publication

**EP 1239974 B1 20070822 (DE)**

Application

**EP 00985009 A 20001111**

Priority

- DE 19962844 A 19991223
- EP 0011170 W 20001111

Abstract (en)

[origin: WO0147643A1] The aim of the invention is to coat running material webs (1). According to prior art, the coating material is applied to the material web (1) by means of curtain coaters. Said coating material is discharged from a slit nozzle (2) and passes through a free-falling curtain (3). The edges of the curtain (3) are separated by means of separating elements (9, 10) before the fall onto the material web (1) for adjusting the coating width. According to the invention, a smaller curtain is produced on each edge by means of a first outer separating element (10). Said curtain is adjusted to the desired coating width by means of a second, inner separating element (9). In a preferred embodiment, an inner separating element (9) is used which contains a vertical channel in the interior thereof. Said channel is open on the separating edge. A water supply (24) flows into said channel.

IPC 8 full level

**B05C 5/00** (2006.01)

CPC (source: EP US)

**B05C 5/005** (2013.01 - EP US); **Y10S 118/04** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 0147643 A1 20010705**; AT E370797 T1 20070915; AU 2157401 A 20010709; DE 19962844 A1 20010705; DE 50014595 D1 20071004; EP 1239974 A1 20020918; EP 1239974 B1 20070822; US 6709517 B1 20040323

DOCDB simple family (application)

**EP 0011170 W 20001111**; AT 00985009 T 20001111; AU 2157401 A 20001111; DE 19962844 A 19991223; DE 50014595 T 20001111; EP 00985009 A 20001111; US 16836402 A 20020617