

Title (en)

Coating apparatus.

Title (de)

Beschichtungsvorrichtung.

Title (fr)

Appareil d'enduction.

Publication

EP 0403845 A2 19901227 (EN)

Application

EP 90110292 A 19900530

Priority

JP 7124189 U 19890620

Abstract (en)

Herein disclosed is a coating apparatus for coating a thin sheet of paper, film or metal. The coating apparatus comprises a web (3) for continuously running to apply a coating liquid (4), and a blade (7) for scraping off the excess of the coated liquid to form a coated liquid layer. A slot (41) is formed with an exit having a width matching that of the web for spraying the coating liquid (4) from the exit to apply the same to the web (3). A premetering blade (13) is disposed downstream of the slot (41) and upstream of the blade (7) in the running direction of the web for controlling the amount of the coated liquid applied to the web with its surface pressure. A pressure tube (14) is mounted along the widthwise direction of the premetering blade (13) for applying the surface pressure to the premetering blade.

IPC 1-7

B05C 5/02; **B05C 11/10**

IPC 8 full level

B05C 5/02 (2006.01); **B05C 11/04** (2006.01); **B05C 3/18** (2006.01)

CPC (source: EP)

B05C 5/0266 (2013.01); **B05C 11/041** (2013.01); **B05C 11/047** (2013.01); **B05C 3/18** (2013.01)

Cited by

DE4224726A1; CN108382052A; US5409534A; US5681618A; CN111804518A; EP2149399A1

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

EP 0403845 A2 19901227; **EP 0403845 A3 19911218**; FI 902664 A0 19900529; JP H0311466 U 19910205; JP H0647586 Y2 19941207

DOCDB simple family (application)

EP 90110292 A 19900530; FI 902664 A 19900529; JP 7124189 U 19890620