

Title (en)

Device for applying a liquid coating product on sheet-like materials.

Title (de)

Einrichtung zum Auftragen einer fließfähigen Auftragsmasse auf laufende Warenbahnen.

Title (fr)

Dispositif pour appliquer une matière de revêtement fluide sur des bandes en déplacement.

Publication

**EP 0458035 B1 19940907 (DE)**

Application

**EP 91104505 A 19910322**

Priority

DE 4014647 A 19900508

Abstract (en)

[origin: EP0458035A2] It is provided for a coating station for coating moving webs of material, such as in particular paper or cardboard, has two pressing rollers (1 and 2), one of which, namely the lower roller (1), also serves as counter-roller for the case in which the web of material is being coated by means of a nozzle application unit for coating material with a relatively high application weight of more than 5 g/m<2>. For this purpose, the mutual spacing of the two rollers can be adjusted permanently in the vertical direction. An appropriate guidance of the web partially by means of deflection rollers arranged beneath the operator plane (that is to say in the base), is such that on one side coating is achieved with coating material and on the other side of the web of material a light application of adhesive takes place for reasons of correction of the flat position and in order, on the other hand, to achieve coating (application of adhesive) in a pressing gap between the two rollers. For this purpose, the upper and lower roller - the lower roller additionally - have an application mechanism (6 and 7, respectively) provided with an elastic holder which bears a roller doctor with circumferential grooves and having a sump of application material, specifically on different sides of the two rollers (1, 2).

IPC 1-7

**D21H 23/56**; B05C 1/08; B05C 11/02

IPC 8 full level

**B05C 1/08** (2006.01); **B05C 5/02** (2006.01); **B05C 13/00** (2006.01); **D21H 23/56** (2006.01)

CPC (source: EP US)

**B05C 1/083** (2013.01 - EP US); **D21H 23/56** (2013.01 - EP US)

Cited by

EP2085516A3; WO9516073A1

Designated contracting state (EPC)

AT ES FR IT SE

DOCDB simple family (publication)

**EP 0458035 A2 19911127**; **EP 0458035 A3 19930203**; **EP 0458035 B1 19940907**; AT E111172 T1 19940915; BR 9101886 A 19911217; CA 2041845 A1 19911109; DE 4014647 A1 19911114; DE 4014647 C2 19950330; ES 2058964 T3 19941101; FI 106185 B 20001215; FI 912079 A0 19910429; FI 912079 A 19911109; JP 3089564 B2 20000918; JP H0584457 A 19930406; NO 911760 D0 19910506; NO 911760 L 19911111; US 5203920 A 19930420

DOCDB simple family (application)

**EP 91104505 A 19910322**; AT 91104505 T 19910322; BR 9101886 A 19910503; CA 2041845 A 19910506; DE 4014647 A 19900508; ES 91104505 T 19910322; FI 912079 A 19910429; JP 11656291 A 19910422; NO 911760 A 19910506; US 69413391 A 19910501