

Title (en)

CURTAIN COATER AND PROCESS FOR APPLICATION OF AN APPLICATION MEDIUM

Title (de)

VORHANG-AUFTRAGSWERK UND VERFAHREN ZUM AUFTRAGEN EINES AUFTRAGSMEDIUMS

Title (fr)

DISPOSITIF DE REVETEMENT PAR RIDEAU ET PROCEDE POUR APPLIQUER UN MATERIAU DE REVETEMENT

Publication

EP 3574144 B1 20240417 (DE)

Application

EP 18700287 A 20180111

Priority

- DE 102017101373 A 20170125
- EP 2018050622 W 20180111

Abstract (en)

[origin: WO2018137932A1] The invention relates to a curtain application unit for applying a liquid or pasty application medium to at least one surface of a moving material web, in particular a fibrous web, wherein the curtain application unit comprises an application nozzle, in particular a slotted nozzle, which is suitable for discharging a one-layer or multi-layer curtain under the influence of gravity and optionally under the influence of further forces on the surface of the material web, and a stripping device, which is suitable for keeping air dragged along with the material web away from the curtain. In addition, at least one further blocking device is provided, which is suitable for keeping air movements of the ambient air away from the curtain.

IPC 8 full level

D21H 23/48 (2006.01); **B05C 5/00** (2006.01)

CPC (source: EP US)

B05C 5/005 (2013.01 - EP US); **B05C 5/0254** (2013.01 - US); **B05C 11/06** (2013.01 - US); **B05D 1/30** (2013.01 - US); **D21H 23/48** (2013.01 - EP US); **B05B 1/28** (2013.01 - EP)

Citation (examination)

- DE 102017101373 A1 20180726 - VOITH PATENT GMBH [DE]
- DE 102017124280 A1 20190418 - VOITH PATENT GMBH [DE]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102017101373 A1 20180726; **DE 102017101373 B4 20220203**; CN 110325683 A 20191011; CN 110325683 B 20220923; EP 3574144 A1 20191204; EP 3574144 B1 20240417; US 11407001 B2 20220809; US 2020038901 A1 20200206; WO 2018137932 A1 20180802

DOCDB simple family (application)

DE 102017101373 A 20170125; CN 201880013337 A 20180111; EP 18700287 A 20180111; EP 2018050622 W 20180111; US 201816480392 A 20180111