

Title (en)

INSTALLATION FOR APPLYING A COATING PRODUCT AND METHOD FOR CLEANING SUCH AN INSTALLATION

Title (de)

ANLAGE ZUM AUFTRAGEN EINES BESCHICHTUNGSMITTELS UND REINIGUNGSVERFAHREN EINER SOLCHEN ANLAGE

Title (fr)

INSTALLATION D'APPLICATION DE PRODUIT DE REVÊTEMENT ET PROCÉDÉ DE NETTOYAGE D'UNE TELLE INSTALLATION

Publication

EP 3725421 A1 20201021 (FR)

Application

EP 20169268 A 20200414

Priority

FR 1903999 A 20190415

Abstract (en)

[origin: US2020324549A1] A facility for applying a coating product including a set of printing nozzles, each nozzle including an outlet channel emerging in the downstream direction by a coating product discharge orifice, the facility further including a cleaning station for at least one nozzle of the set of printing nozzles, the station including at least one cleaning fluid injector in the outlet channel of the printing nozzle, through its discharge orifice.

Abstract (fr)

Cette installation (I) d'application de produit de revêtement comprend un ensemble (10) de buses d'impression (12) comportant chacune un canal de sortie (126) débouchant vers l'aval par un orifice (127) d'éjection (F3) de produit de revêtement. L'installation comprend, en outre, une station (30) de nettoyage d'au moins une buse (12) de l'ensemble (10) de buses d'impression, cette station comprenant au moins un injecteur (38) de fluide de nettoyage dans le canal de sortie (126) de la buse d'impression, à travers son orifice d'éjection (127).

IPC 8 full level

B05B 15/555 (2018.01); **B05B 12/04** (2006.01); **B05B 15/531** (2018.01); **B05B 1/30** (2006.01); **B05B 13/04** (2006.01); **B05B 16/00** (2018.01)

CPC (source: CN EP KR US)

B05B 1/14 (2013.01 - EP); **B05B 1/16** (2013.01 - US); **B05B 12/04** (2013.01 - EP); **B05B 15/531** (2018.01 - EP US); **B05B 15/555** (2018.01 - EP); **B41J 2/14008** (2013.01 - KR); **B41J 2/16517** (2013.01 - KR); **B41J 2/1652** (2013.01 - CN); **B41J 2/16552** (2013.01 - KR US); **B41J 2/16588** (2013.01 - US); **B41J 2/21** (2013.01 - CN); **B41J 25/00** (2013.01 - CN); **B05B 1/3046** (2013.01 - EP); **B05B 13/0452** (2013.01 - EP); **B05B 15/55** (2018.01 - EP); **B05B 15/58** (2018.01 - EP); **B05B 16/90** (2018.01 - EP); **B41J 2002/14475** (2013.01 - KR)

Citation (applicant)

WO 2018108568 A1 20180621 - DUERR SYSTEMS AG [DE]

Citation (search report)

- [XA] EP 0995606 A2 20000426 - EASTMAN KODAK CO [US]
- [XA] WO 2018108568 A1 20180621 - DUERR SYSTEMS AG [DE]
- [E] WO 2020115117 A1 20200611 - DUERR SYSTEMS AG [DE]

Cited by

WO2021121965A1; EP4261042A1; FR3134341A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3725421 A1 20201021; **EP 3725421 B1 20220413**; CN 111823718 A 20201027; CN 111823718 B 20230602; ES 2913877 T3 20220606; FR 3094899 A1 20201016; FR 3094899 B1 20221007; JP 2020182933 A 20201112; KR 20200121244 A 20201023; RU 2020113057 A 20211008; US 11331921 B2 20220517; US 2020324549 A1 20201015

DOCDB simple family (application)

EP 20169268 A 20200414; CN 202010287594 A 20200413; ES 20169268 T 20200414; FR 1903999 A 20190415; JP 2020070083 A 20200408; KR 20200044604 A 20200413; RU 2020113057 A 20200408; US 202016847055 A 20200413