

Title (en)

Ventilation device for spray paint assemblies

Title (de)

Belüftungsvorrichtung für Spritzlackieranlagen

Title (fr)

Dispositif d'aération pour installations de laquage par pulvérisation

Publication

EP 2368642 A1 20110928 (DE)

Application

EP 10005634 A 20100531

Priority

DE 202010001169 U 20100119

Abstract (en)

The device has a spraying booth for lacquering objects e.g. rail-mounted vehicles, and a supply air device for loading the spraying booth with supply air. An exhaust air device is provided for removal of exhaust air from the spraying booth. The supply air and exhaust air devices exhibit motor-driven fans and/or pumps. A control device (17) uses coating material flow as control parameter for controlling the supply air and/or exhaust air devices. Output frequency of a frequency converter (18) controls motor performance of the fans and/or pumps based on the parameter.

Abstract (de)

Die vorliegende Erfindung betrifft eine Belüftungsvorrichtung für Spritzlackieranlagen. Mit der erfindungsgemäßen Belüftungsvorrichtung können Spritzlackieranlagen durch die Regelung der Luftleistung entsprechend dem temporär tatsächlich anfallenden Overspray energetisch wesentlich optimierter betrieben werden, so dass die Lackierung insgesamt kostengünstiger erfolgen kann.

IPC 8 full level

B05B 15/12 (2006.01); **B05B 16/60** (2018.01); **F24F 7/007** (2006.01); **B05B 12/00** (2018.01)

CPC (source: EP)

B05B 16/60 (2018.01); **F24F 7/007** (2013.01); **B05B 12/006** (2013.01)

Citation (applicant)

WO 2006133551 A1 20061221 - NOVEO TECHNOLOGIES INC [CA], et al

Citation (search report)

- [IY] EP 0899022 A1 19990303 - WAGNER INT [CH]
- [Y] GB 2341444 A 20000315 - FORD GLOBAL TECH INC [US]
- [Y] EP 0480664 A2 19920415 - NORDSON CORP [US]
- [A] EP 0899018 A1 19990303 - WAGNER INT [CH]

Cited by

EP2762239A1; US10150129B2; EP2762239B1

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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

DE 202010001169 U1 20100408; EP 2368642 A1 20110928; EP 2368642 B1 20130320

DOCDB simple family (application)

DE 202010001169 U 20100119; EP 10005634 A 20100531