

Title (en)
POWDER COATING BOOTH, POWDER COATING INSTALLATION AND METHOD FOR OPERATING THE POWDER COATING BOOTH

Title (de)
PULVERBESCHICHTUNGSKABINE, PULVERBESCHICHTUNGSANLAGE UND VERFAHREN ZUM BETREIBEN DER
PULVERBESCHICHTUNGSKABINE

Title (fr)
CABINE DE REVÊTEMENT PAR PULVÉRISATION, INSTALLATION DE REVÊTEMENT PAR PULVÉRISATION ET PROCÉDÉ DE
FONCTIONNEMENT D'UNE CABINE DE REVÊTEMENT PAR PULVÉRISATION

Publication
EP 3335802 B1 20191127 (DE)

Application
EP 16204183 A 20161214

Priority
EP 16204183 A 20161214

Abstract (en)
[origin: US2018161797A1] The powder coating booth according to the invention comprises booth walls (13-18) and a roof (30) which can be lowered between the booth walls (13-18), wherein a gap (60) is provided between the roof (30) and the booth walls (13-18). The roof (30) has compressed air nozzles (70) for spraying the booth walls (13-18). In addition, a supporting device (33-36) is provided, which supports the roof (30). In at least one of the booth walls (13-18) a vertical slot (61) is provided through which the supporting device (33-36) protrudes into the booth (1) and in which the supporting device (33-36) is movable. In addition, the booth comprises a bottom (19) with a suction (5, 6), which is connectable with the suction inlet (2.1) of a cyclone separator (2) via a suction pipe (7).

IPC 8 full level
B05B 15/00 (2018.01)

CPC (source: EP US)
B05B 14/41 (2018.01 - EP US); **B05B 14/45** (2018.01 - EP US); **B05B 14/48** (2018.01 - EP US); **B05B 15/50** (2018.01 - US);
B05B 15/522 (2018.01 - US); **B05B 15/62** (2018.01 - US); **B05B 15/65** (2018.01 - US); **B05B 15/68** (2018.01 - US);
B05B 16/40 (2018.01 - EP US); **B05B 13/0405** (2013.01 - EP US); **B05B 16/90** (2018.01 - EP US)

Citation (opposition)
Opponent : GEMA Switzerland GmbH,
• EP 2368643 A1 20110928 - WAGNER J AG [CH]
• EP 0721804 A2 19960717 - GEMA VOLSTATIC AG [CH]
• DE 102006055688 A1 20070614 - WAGNER J AG [CH]
• US 2010175616 A1 20100715 - SHUTIC JEFFREY R [US], et al
• DE 19920466 A1 20001109 - KRAEMER ERICH [DE], et al
• GB 2141642 A 19850103 - TREVISAN FERDINANDO
• US 5417765 A 19950523 - OTANI TATSUO [JP], et al
• US 2014174346 A1 20140626 - SHUTIC JEFFREY R [US], et al
• DE 19524327 A1 19960425 - KRAEMER ERICH [DE], et al
• DE 20305947 U1 20030618 - WAGNER AG ALTSTAETTEN J [CH]
• WO 2013119487 A1 20130815 - NORDSON CORP [US]
• DE 4131287 A1 19930325 - GEMA VOLSTATIC AG [CH]
• SCHEIDING PETER: "Farbwechsel auf Knopfdruck", JOT JOURNAL FÜR OBERFLÄCHENTECHNIK, vol. 6, 1 January 2014 (2014-01-01), pages 62 - 64, XP055823645

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)
EP 3335802 A1 20180620; EP 3335802 B1 20191127; CN 108212632 A 20180629; CN 108212632 B 20211119; ES 2774468 T3 20200721;
US 10406550 B2 20190910; US 2018161797 A1 20180614

DOCDB simple family (application)
EP 16204183 A 20161214; CN 201711304769 A 20171211; ES 16204183 T 20161214; US 201715839246 A 20171212