

Title (en)

Powder beaker spray gun and spray coating device with same

Title (de)

Pulverbechersprühpistole und Sprühbeschichtungsvorrichtung mit einer Pulverbechersprühpistole

Title (fr)

Pistolet de pulvérisation de poudre et dispositif de revêtement par pulvérisation avec un pistolet de pulvérisation de poudre

Publication

EP 2650052 B2 20210127 (DE)

Application

EP 12405036 A 20120413

Priority

EP 12405036 A 20120413

Abstract (en)

[origin: EP2650052A1] The spray gun has a powder cup (3) that is arranged at the rear end to an injector (2) in a receiving portion (2.1). A powder inlet of the injector is connected to the receiving portion. The powder cup is plugged in the receiving portion. A handle (10) is provided with air feed terminal (5), atomizer air terminal and an air dosing terminal (6). The air feed terminal and air dosing terminal of the handle are connected to the injector through air line for dosing air and air line for feeding air.

IPC 8 full level

B05B 5/03 (2006.01); **B05B 5/16** (2006.01); **B05B 7/14** (2006.01)

CPC (source: EP US)

B05B 5/032 (2013.01 - EP US); **B05B 5/1683** (2013.01 - EP US); **B05B 5/1691** (2013.01 - EP US); **B05B 7/1413** (2013.01 - EP US); **B05C 11/10** (2013.01 - US); **B05B 7/2408** (2013.01 - EP US); **B05B 7/2478** (2013.01 - EP US)

Citation (opposition)

Opponent :

- US 2008041979 A1 20080221 - GARDEGA THOMAS [US]
- US 6375093 B1 20020423 - FULKERSON TERRENCE M [US], et al
- DE 20321212 U1 20060518 - 3M INNOVATIVE PROPERTIES CO [US]
- DE 20321623 U1 20080703 - 3M INNOVATIVE PROPERTIES CO [US]
- DE 60320468 T2 20090312 - 3M INNOVATIVE PROPERTIES CO [US]
- US 2005156058 A1 20050721 - KOSMYNA MICHAEL J [US], et al
- US 6003779 A 19991221 - ROBIDOUX MARK ALAN [US]
- DE 20320781 U1 20050504 - RUDA MARTIN [DE]
- WO 2004087332 A1 20041014 - RUDA MARTIN [DE]
- DE 20209377 U1 20031030 - WAGNER AG ALTSTAETTEN J [CH]
- "Der Grosse Wagner Pulverbesichtung", WAGNER, 2010, pages 62, 65, 75-77, 86, 228
- "Betriebsanleitung PEM-CG2 Pulver Becherpistole", WAGNER, May 2001 (2001-05-01), pages 1 - 20
- "Betriebsanleitung PEM-CG1 Airmatic - Pulverbecherpistole", WAGNER-ESB, June 1994 (1994-06-01), pages 1 - 44
- "Betriebsanleitung PEM-C1 Airmatic - Sprühpistole", WAGNER-ESB, June 1994 (1994-06-01), pages 1 - 46

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DE202017002680U1; DE202018102427U1

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 2650052 A1 20131016; **EP 2650052 B1 20151216**; **EP 2650052 B2 20210127**; JP 2013220423 A 20131028; JP 6544882 B2 20190717; US 10478850 B2 20191119; US 2013270365 A1 20131017

DOCDB simple family (application)

EP 12405036 A 20120413; JP 2013068475 A 20130328; US 201313858957 A 20130409