

Title (en)
Process and system for supply paint to a coating installation

Title (de)
Beschichtungsanlage mit auswechselbarem Behälter

Title (fr)
Installation de revêtement à réservoir interchangeable

Publication
EP 0796664 A3 19980408 (DE)

Application
EP 97104632 A 19970318

Priority
DE 19610588 A 19960318

Abstract (en)
[origin: EP0796664A2] The coating unit comprises an exchangeable container (8) which is fitted inside a part of the unit, and is accessible from outside through an opening (16) in the part. The container is coupled to a valve block (4), which in turn is connected to the spray device. The part contains a pneumatic locking cylinder, to press the container against the valve block. The container is formed as a dosing cylinder, and has a sliding piston (14) at one end. This moves towards the valve outlet (10) to eject the paint. The piston rod (18) is driven by an electric servo motor (22). The piston rod end facing the container has a stop sensor (32).

IPC 1-7
B05B 12/14; **B05B 13/04**; **B05B 7/24**

IPC 8 full level
B05B 5/16 (2006.01); **B05B 7/24** (2006.01); **B05B 12/14** (2006.01); **B05B 13/04** (2006.01)

CPC (source: EP)
B05B 5/1625 (2013.01); **B05B 7/24** (2013.01); **B05B 12/1463** (2013.01); **B05B 13/0431** (2013.01)

Citation (search report)

- [X] US 4087048 A 19780502 - SMRT THOMAS J
- [AD] EP 0274322 A1 19880713 - SAMES SA [FR]
- [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 271 (C - 311) 29 October 1985 (1985-10-29)

Cited by
EP1010469A3; EP1252935A2; US7908994B2; US8418647B2; EP1314483A2; EP1293260A2

Designated contracting state (EPC)
BE DE ES FR GB IT NL SE

DOCDB simple family (publication)
EP 0796664 A2 19970924; **EP 0796664 A3 19980408**; **EP 0796664 B1 20010711**; DE 19610588 A1 19970925; DE 19610588 B4 20100805; DE 59703985 D1 20010816; ES 2159373 T3 20011001

DOCDB simple family (application)
EP 97104632 A 19970318; DE 19610588 A 19960318; DE 59703985 T 19970318; ES 97104632 T 19970318