

Title (en)

Sprayer for a coating installation and process for feeding coating material to the sprayer

Title (de)

Zerstäuber für eine Beschichtungsanlage und Verfahren zu seiner Materialversorgung

Title (fr)

Pulvérisateur pour une installation de revêtement et procédé d'alimentation en produit de revêtement de ce pulvérisateur

Publication

EP 1245294 A3 20050713 (DE)

Application

EP 02006091 A 20020318

Priority

DE 10115463 A 20010329

Abstract (en)

[origin: EP1245294A2] The sputter unit (Z), e.g. for electrostatic paint spraying by a robot, has a dosing pump (DP) between the sputter head (4) and the paint supply (FM) held in a coil (10). The paint is forced out of the coil by a pig (12), under pressure from compressed air on one side to force the paint towards the pump for spraying. The pump is operated by an external motor through a flexible drive shaft in or at a robot hand joint (1).

IPC 1-7

B05B 9/04; **B05B 5/16**; **B05B 12/14**; **B08B 9/04**

IPC 8 full level

B05B 5/16 (2006.01); **B05B 12/14** (2006.01)

CPC (source: EP US)

B05B 5/1625 (2013.01 - EP US); **B05B 12/14** (2013.01 - EP US); **B05B 12/1481** (2013.01 - EP US)

Citation (search report)

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- [X] US 6050498 A 20000418 - MINOURA SHUJI [JP], et al
- [XY] US 4884752 A 19891205 - PLUMMER RAYMOND G [US]
- [Y] EP 0904848 A1 19990331 - DUERR SYSTEMS GMBH [DE]
- [A] FR 2621500 A2 19890414 - SAMES SA [FR]
- [X] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 08 30 August 1996 (1996-08-30)

Cited by

EP2075073A1; US7908994B2; US8333164B2; EP1666159B1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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