

Title (en)

Spraying device comprising a colour changer for coating series of work pieces

Title (de)

Sprühvorrichtung mit Farbwechsler zum serienweisen Beschichten von Werkstücken

Title (fr)

Dispositif de pulvérisation avec changeur de couleur pour revêtir en série des pièces d'oeuvre

Publication

EP 1502658 B1 20090826 (DE)

Application

EP 04016359 A 20040712

Priority

DE 10334412 A 20030728

Abstract (en)

[origin: EP1502658A1] The spraying device for coating material for series-wise coating of workpieces which are mounted on a robot or another multi-axis manipulating machine, has at least one spray head and a colour change valve assembly (3) for the selective connecting of the spray head to lines feeding coating material of different colour. A dosing pump (24) for dosing of the coating material is located between the colour change valve assembly and spray head. The dosing pump is a valve-less plunger pump, the plunger of which during each travel movement is rotated around its axis extending in the direction of travel.

IPC 8 full level

B05B 12/14 (2006.01); **A62C 2/08** (2006.01); **A62C 31/00** (2006.01); **B05B 1/14** (2006.01)

CPC (source: EP US)

B05B 12/1409 (2013.01 - EP US); **B05B 12/149** (2013.01 - EP US)

Cited by

EP4234099A1; FR3132855A1; DE102007053578A1; CN1111111054A; EP2853312A3; EP2075073A1; DE102007029195A1; WO2008071273A3; WO2008071273A2; DE102006058562A1; US8333164B2; EP2853312A2; US8875647B2; US9604244B2

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EP 1502658 A1 20050202; **EP 1502658 B1 20090826**; AT E440674 T1 20090915; DE 502004009952 D1 20091008; ES 2330632 T3 20091214; US 2005029368 A1 20050210; US 7140559 B2 20061128

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