

Title (en)

Colour change valve assembly of a coating installation

Title (de)

Farbwechselventilanordnung einer Beschichtungsanlage

Title (fr)

Ensemble de valves de changement de couleur d'une installation de revêtement

Publication

**EP 1502659 A1 20050202 (DE)**

Application

**EP 04016360 A 20040712**

Priority

DE 10334410 A 20030728

Abstract (en)

The colour change valve arrangement for the selective connecting of an application component of a coating plane to feed lines for coating material has valve unit for the optional colours each with an outlet orifice for coating material flowing to the application component, forming a valve seat, a movable valve needle (20) with a sealing face, at least one piston (11) connected to the needle, and a device formed especially by a spring (13) which exerts on the valve needle a force directed in opposition to the pressure of the pressure medium (DL) acting on the piston.

Abstract (de)

Für die Farbwechselventilanordnung einer Beschichtungsanlage beispielsweise zur Serienbeschichtung von Fahrzeugkarossen werden verschiedene Maßnahmen zur Miniaturisierung der den Ventilblock des Farbwechslers bildenden Nadelventile (2) vorgeschlagen, die auf einer Optimierung der die Ventilnadel (20) zum Öffnen des Ventils gegen die Kraft einer Druckfeder (13') beaufschlagenden Antriebseinrichtung (DL) beruhen. <IMAGE>

IPC 1-7

**B05B 12/14**

IPC 8 full level

**A62C 2/08** (2006.01); **B05B 1/14** (2006.01); **B05B 12/14** (2006.01); **E21F 5/04** (2006.01); **F23D 11/38** (2006.01)

CPC (source: EP US)

**B05B 12/149** (2013.01 - EP US); **Y10T 137/85978** (2015.04 - EP US)

Citation (search report)

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**EP 1502659 A1 20050202**; **EP 1502659 B1 20060222**; AT E318186 T1 20060315; DE 502004000305 D1 20060427; ES 2258248 T3 20060816; US 2005029370 A1 20050210; US 7097121 B2 20060829

DOCDB simple family (application)

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