

Title (en)

COLOUR SPRAYING SYSTEM AND AIR CONTROL DEVICE FOR A COLOUR SPRAYING DEVICE

Title (de)

FARBSPRÜHSYSTEM UND LUFTSTEUEREINRICHTUNG FÜR EIN FARBSPRÜHGERÄT

Title (fr)

SYSTEME DE PULVERISATION DE COULEUR ET COMMANDE D'AIR POUR UN APPAREIL DE PULVERISATION DE COULEUR

Publication

**EP 2992966 B1 20180704 (DE)**

Application

**EP 15179920 A 20150806**

Priority

DE 102014112640 A 20140902

Abstract (en)

[origin: US2016059252A1] A paint spray system including paint sprayer, a pressurized air generator, a pressurized air duct and an air control mechanism. The paint sprayer has a spray nozzle, the pressurized air generator has a blower, the pressurized air duct connects the blower to the spray nozzle, and the air control mechanism includes a throttle mechanism and is situated in the course of the pressurized air duct. The air control mechanism includes an outlet mechanism, wherein a decreasing of an aperture cross section of the throttle mechanism automatically leads to an increasing of an aperture cross section of the outlet mechanism and vice versa. The aperture cross sections existing in individual settings of the throttle mechanism and the outlet mechanism are attuned to each other such that a dynamic pressure generated at the blower remains constant in the individual aperture settings of the throttle mechanism and the outlet mechanism.

IPC 8 full level

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CPC (source: CN EP US)

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