

Title (en)

SPRAY DEVICE HAVING AN ADJUSTMENT MEMBER FOR NEEDLE VALVE OPENING RANGE

Title (de)

SPRÜHVORRICHTUNG MIT EINER EINSTELLVORRICHTUNG FÜR DEN ÖFFNUNGSWEG EINES NADELVENTILS

Title (fr)

PULVÉRISATEUR AVEC UN DISPOSITIF DE RÉGLAGE POUR AJUSTER LA LARGEUR D'OUVERTURE D'UNE SOUPAPE À POINTEAU

Publication

**EP 2393606 A1 20111214 (EN)**

Application

**EP 10703775 A 20100208**

Priority

- US 2010023439 W 20100208
- JP 2009027616 A 20090209

Abstract (en)

[origin: WO2010091330A1] [Issue] To provide a spray device which makes it possible to simply adjust the amount of paint ejected, and in which the nozzle can be effectively cleaned. [Means of Resolution] The spray device 400 according to the present invention is provided with a nozzle 122, a needle 150 for opening and closing a paint ejection orifice, a front piston 170 which is fixed to the needle, and a needle spring 174 for pushing the front piston. Provision is further made for a needle position adjustment mechanism for adjusting the position of the needle 150 in the direction along the center axis of the nozzle. The needle position adjustment mechanism includes an adjustment member 430 which is rotatable with the center axis of the nozzle 122 at the center, and a rotation position setting member 450 for setting the position of the front piston 170 along the center axis of the nozzle in correspondence to the angle of rotation of the adjustment member.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2010091330A1

Cited by

DE202016005516U1; WO2018047012A1; CN112958297A; USD874611S

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