

Title (en)

METHOD AND APPARATUS FOR ADJUSTING A FLOW CONTROL VALVE OF A PAINT SPRAY GUN

Publication

EP 0166092 B1 19881221 (DE)

Application

EP 85104010 A 19850402

Priority

DE 3423094 A 19840622

Abstract (en)

[origin: US4720801A] The paint throughput quantity of a motor-driven throughput control valve of a paint spraygun is set such that first, a sequence of assignments between throughput quantity values and electric valve motor actuation signals is produced and input into a microcomputer as an approximation table. By selecting the desired value of throughput quantity, the microcomputer is then initialized to supply the tabularly-appertaining actuation signal to the valve motor as a control signal and to therefore approximately set the throughput control valve to the desired reference value. Finally, the throughput quantity is continuously measured during paint flow through the throughput valve and the measured values are supplied to the microcomputer as actual values, the microcomputer then supplying regulating signals to the valve motor on the basis of a comparison between the reference values and the actual values and therefore continuously readjusting the throughput control valve to the reference value.

IPC 1-7

B05B 12/00

IPC 8 full level

B05B 12/00 (2018.01); **B05B 12/08** (2006.01); **B05B 12/14** (2006.01); **B05D 1/02** (2006.01)

CPC (source: EP US)

B05B 12/08 (2013.01 - EP US); **B05B 12/14** (2013.01 - EP US)

Citation (examination)

EP 0061922 A2 19821006 - BL TECH LTD [GB]

Cited by

EP0288878A3; EP0288877A3; DE3822835A1; DE102006002389A1; EP0403280A3; US6139903A; EP0310272A1; FR2618087A1; EP0297309A3; DE3721875A1; US4941778A; DE102007062132A1; US8567694B2; WO8911340A1

Designated contracting state (EPC)

BE FR GB IT SE

DOCDB simple family (publication)

EP 0166092 A1 19860102; **EP 0166092 B1 19881221**; DE 3423094 A1 19860102; DE 3423094 C2 19901004; JP S6111169 A 19860118; US 4720801 A 19880119

DOCDB simple family (application)

EP 85104010 A 19850402; DE 3423094 A 19840622; JP 13445585 A 19850621; US 74363985 A 19850611