

Title (en)

IMPROVED GUN FOR APPLYING PAINTS BY HOT PROCESS

Publication

EP 0041975 B1 19850320 (FR)

Application

EP 81900009 A 19801218

Priority

- FR 7930910 A 19791218
- FR 8023293 A 19801031

Abstract (en)

[origin: WO8101670A1] The gun for the application by hot process of paints, of the type comprising an assembly fixed on the body of the gun comprising an electric resistor heating block, arranged in a housing wherein the spraying air circulates in contact with said block, the housing being in contact with the paint, the gun being characterized in that it comprises a first sinuous path (16a, 16b, 17, 20, 21) for the air, provided in part inside said heating block (4) and in part between said block (4) and the inner surface of a first envelope (5), and a second sinuous path (40, 44, 45) for the paint defined between the outer surface of said first envelope (5) and a second envelope (6), said assembly (4, 5, 6) being attached to a body (1) of the gun of insulating material having a rotary spraying head (T) with two pairs of air nozzles (58, 59) of which at least one is angularly adjustable and in that it comprises automatic means (18) for adjusting the temperature, said automatic means being controlled by the spraying air.

IPC 1-7

B05B 7/16; B05B 7/08

IPC 8 full level

B05B 7/08 (2006.01); **B05B 7/12** (2006.01); **B05B 7/16** (2006.01)

CPC (source: EP US)

B05B 7/0815 (2013.01 - EP US); **B05B 7/1209** (2013.01 - EP US); **B05B 7/1646** (2013.01 - EP US)

Cited by

DE3543469A1; DE3644184A1; US4799624A

Designated contracting state (EPC)

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WO 8101670 A1 19810625; DE 3070365 D1 19850425; EP 0041975 A1 19811223; EP 0041975 B1 19850320; US 4394967 A 19830726

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