

Title (en)

Powder or solid particulate material spray gun.

Title (de)

Zerstäubungspistole für Pulver oder Stoffe im Partikelzustand.

Title (fr)

Pistolet de pulvérisation de poudre ou de matériaux en particules solides.

Publication

EP 0365225 A2 19900425 (EN)

Application

EP 89310506 A 19891013

Priority

US 26081188 A 19881020

Abstract (en)

A powder spray gun comprises a tubular housing (12) having ambient air flow passages (40) located in the sidewall thereof medially of the opposite ends. A pair of air flow amplifiers (14,16) are mounted in the housing (12) on opposite sides of the ambient air flow passages and are so oriented that compressed air supplied to the upstream one of these amplifiers, the so-called suspension amplifier (14), is operable to draw ambient air into the outlet end of the suspension amplifier, and compressed air supplied to the downstream amplifier, the so-called pattern amplifier (16), is operable to draw ambient air into the inlet end of the pattern amplifier. The spray gun (10) includes means (190) for preventing the egress of powder through the ambient air flow passages of the housing caused by back pressure generated by a restricted discharge orifice of a powder discharge nozzle of the gun.

IPC 1-7

B05B 7/14

IPC 8 full level

B05B 7/04 (2006.01); **B05B 7/14** (2006.01)

CPC (source: EP)

B05B 7/1486 (2013.01)

Cited by

EP2144704B1; EP0599498A1; US5368237A; EP0718043A1; US5704957A; US11534777B2; EP2279797B1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0365225 A2 19900425; **EP 0365225 A3 19901114**; AU 4141889 A 19900426; BR 8905309 A 19900522; JP H02164471 A 19900625

DOCDB simple family (application)

EP 89310506 A 19891013; AU 4141889 A 19890913; BR 8905309 A 19891018; JP 27049389 A 19891019