

Title (en)

PROCESS AND DEVICE FOR THE ELECTROSTATIC SPRAYING OF POWDER PARTICLES ONTO A SURFACE

Publication

**EP 0123964 B1 19870114 (DE)**

Application

**EP 84103847 A 19840406**

Priority

- DE 3312509 A 19830407
- DE 3412694 A 19840404

Abstract (en)

[origin: WO8403846A1] The mixture of powder and carrier gas coming axially out of a nozzle is widened by an adjusting air flow coming out radially thus causing the formation of the desired spraying cloud. The electrostatic charge of the powder is carried out by means of a ionized gas flow which, separately from the adjusting air flow, is introduced in the powder and carrier gas mixture.

IPC 1-7

**B05B 5/02**

IPC 8 full level

**B05B 1/26** (2006.01); **B05B 5/03** (2006.01); **B05B 7/08** (2006.01)

CPC (source: EP US)

**B05B 1/265** (2013.01 - EP US); **B05B 5/032** (2013.01 - EP US); **B05B 7/08** (2013.01 - EP US)

Citation (examination)

DE 2312363 A1 19730927 - ATLAS COPCO AB

Cited by

EP0203694A3; EP0236794A3; US4819879A; DE3608426A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**DE 3412694 A1 19841011**; BR 8406511 A 19850312; DE 3461991 D1 19870219; DK 159592 B 19901105; DK 159592 C 19910415; DK 548484 A 19841119; DK 548484 D0 19841119; EP 0123964 A1 19841107; EP 0123964 B1 19870114; EP 0144335 A1 19850619; FI 76262 B 19880630; FI 76262 C 19881010; FI 844560 A0 19841121; FI 844560 L 19841121; US 4735360 A 19880405; WO 8403846 A1 19841011

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