

Title (en)

COLD GAS SPRAYING METHOD AND DEVICE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM KALTGASSPRITZEN

Title (fr)

PROCEDE ET DISPOSITIF DE PROJECTION PAR GAZ FROID

Publication

EP 1390152 A2 20040225 (DE)

Application

EP 02799718 A 20020506

Priority

- DE 10126100 A 20010529
- EP 0204978 W 20020506

Abstract (en)

[origin: US7143967B2] A cold gas spraying method and device, whereby the sprayed particles are accelerated in a gas flow. A powder tube and an outer nozzle body together form a Laval nozzle that produces high gas flow velocities. The injection of the sprayed particles occurs in the divergent section of the Laval nozzle.

IPC 1-7

B05B 7/04; **B05B 7/14**; **C23C 24/04**

IPC 8 full level

B05B 7/04 (2006.01); **B05B 7/14** (2006.01); **C23C 24/04** (2006.01)

CPC (source: EP US)

B05B 7/0441 (2013.01 - EP US); **B05B 7/1486** (2013.01 - EP US); **C23C 24/04** (2013.01 - EP US)

Cited by

DE102014010439A1; RU2505622C2; EP2974796A3; US11898986B2; US11935662B2; EP2974796A2; US11662300B2

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US 2004166247 A1 20040826; **US 7143967 B2 20061205**; AT E372172 T1 20070915; DE 10126100 A1 20021205; DE 50210853 D1 20071018; EP 1390152 A2 20040225; EP 1390152 B1 20070905; WO 03041868 A2 20030522; WO 03041868 A3 20031030

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US 72174703 A 20031126; AT 02799718 T 20020506; DE 10126100 A 20010529; DE 50210853 T 20020506; EP 0204978 W 20020506; EP 02799718 A 20020506