

Title (en)
COLD-GAS SPRAY GUN

Title (de)
KALTGASSPRITZPISTOLE

Title (fr)
PISTOLET DE PROJECTION A GAZ FROID

Publication
EP 1999297 A1 20081210 (DE)

Application
EP 07723056 A 20070306

Priority
• EP 2007001911 W 20070306
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Abstract (en)
[origin: US2007221746A1] A cold gas spray gun is disclosed. The spray gun includes a high-pressure gas heater which has a pressure vessel through which gas flows and a heating element situated in the pressure vessel, as well as a mixing chamber in which particles can be admixed with the gas through a particle feed. A Laval nozzle is arranged downstream in the direction of flow of the gas and consists of a convergent section, a nozzle throat and a divergent section. The high-pressure gas heater and/or the mixing chamber is/are at least partially insulated on the inside in the areas of contact with the gas.

IPC 8 full level
C23C 24/04 (2006.01)

CPC (source: EP KR US)
B05B 7/1486 (2013.01 - EP US); **B05B 7/1626** (2013.01 - EP US); **C23C 24/04** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2007110134A1

Cited by
US11898986B2; US11935662B2; US11662300B2

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