

Title (en)  
METHOD FOR COLD GAS SPRAYING AND COLD GAS SPRAYING PISTOL WITH INCREASED RETENTION TIME FOR THE POWDER IN THE GAS STREAM

Title (de)  
VERFAHREN ZUM KALTGASSPRITZEN UND KALTGASSPRITZPISTOLE MIT ERHÖHTER VERWEILDAUER DES PULVERS IM GASSTRAHL

Title (fr)  
PROCEDE DE PULVERISATION PAR GAZ FROID ET PISTOLET PULVERISATEUR A GAZ FROID CARACTERISES PAR UN TEMPS DE SEJOUR PROLONGE DE LA POUDRE DANS LE JET DE GAZ

Publication  
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Application  
**EP 05785200 A 20050909**

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Abstract (en)  
[origin: WO2006034778A1] The invention relates to a cold gas spraying pistol in which the powder injection tube (4) terminates more than 40 mm before the nozzle neck, at which the convergent nozzle section (1) transforms into the nozzle outlet (2). By means of the above powder injection at least 80 wt. % of the particles achieve a nozzle inlet temperature which is 0.7 times the nozzle inlet temperature of the gas stream in Kelvin.

IPC 8 full level  
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Cited by  
EP2617868A1; US11898986B2; DE102012000816A1; US11935662B2; US11662300B2; EP2620525A1; DE102012001361A1; WO2013110441A1

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