

Title (en)
METHOD FOR COLD GAS SPRAYING

Title (de)
VERFAHREN ZUM KALTGASSPRITZEN

Title (fr)
PROCÉDÉ DE PULVÉRISATION À GAZ FROID

Publication
EP 2807287 A1 20141203 (DE)

Application
EP 13700462 A 20130117

Priority

- DE 102012001361 A 20120124
- EP 12002885 A 20120424
- EP 2013000121 W 20130117
- EP 13700462 A 20130117

Abstract (en)
[origin: EP2620525A1] Method for cold gas spraying involves accelerating wettable-powder containing photocatalytically active spray particles in nozzle using carrier gas, and coating to substrate. At least a portion of the photocatalytically active spray particles contain nano-crystalline agglomerates having porosity of 200-800 m²/g, determined by Brunauer-Emmett-Teller nitrogen measurement. Independent claims are included for the following: (1) coating material; and (2) article.

IPC 8 full level
C23C 24/04 (2006.01); **C23C 24/08** (2006.01)

CPC (source: EP US)
B01J 21/063 (2013.01 - US); **B01J 35/39** (2024.01 - US); **B01J 37/0221** (2013.01 - US); **B05B 7/162** (2013.01 - EP US); **C01G 23/047** (2013.01 - US); **C23C 24/04** (2013.01 - EP US); **C23C 24/08** (2013.01 - EP US); **C23C 24/082** (2013.01 - EP US); **B01J 2208/00761** (2013.01 - US)

Citation (search report)
See references of WO 2013110441A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2620525 A1 20130731; AU 2013212183 A1 20140710; AU 2013212183 B2 20170406; BR 112014018034 A2 20170620; BR 112014018034 A8 20170711; CA 2860720 A1 20130801; DE 102012001361 A1 20130725; EP 2807287 A1 20141203; JP 2015512765 A 20150430; JP 6104281 B2 20170329; US 2014336046 A1 20141113; US 9527069 B2 20161227; WO 2013110441 A1 20130801

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EP 12002885 A 20120424; AU 2013212183 A 20130117; BR 112014018034 A 20130117; CA 2860720 A 20130117; DE 102012001361 A 20120124; EP 13700462 A 20130117; EP 2013000121 W 20130117; JP 2014553658 A 20130117; US 201314369002 A 20130117