

Title (en)
ELECTROSTATIC SPRAYING ARRANGEMENT

Title (de)
ELEKTROSTATISCHE ZERSTÄUBERANORDNUNG

Title (fr)
DISPOSITIF DE PULVÉRISATION ÉLECTROSTATIQUE

Publication
EP 2066451 B1 20110511 (DE)

Application
EP 07818465 A 20070926

Priority
• EP 2007008382 W 20070926
• DE 102006045631 A 20060927
• DE 102007004819 A 20070131

Abstract (en)
[origin: WO2008037456A1] The invention relates to an electrostatic spraying arrangement for the serial coating of workpieces, wherein the high-voltage sensors (7) and actuators (6) of the sprayer (11) are supplied by an isolating transformer (T1-T3) in the sprayer (11) and/or in a robot arm (10) with a high voltage insulation path. Control and sensor signals for the actuators (6) and sensors (7) are transmitted potential-free, for example, optically or by radio.

IPC 8 full level
B05B 5/053 (2006.01); **B05B 5/10** (2006.01); **B05B 12/00** (2018.01)

CPC (source: EP KR US)
B05B 5/053 (2013.01 - KR); **B05B 5/0531** (2013.01 - EP US); **B05B 5/10** (2013.01 - EP KR US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2008037456 A1 20080403; AT E508804 T1 20110515; BR PI0717421 A2 20131126; BR PI0717421 B1 20200128; CA 2663245 A1 20080403; CA 2663245 C 20151208; EP 2066451 A1 20090610; EP 2066451 B1 20110511; JP 2010504850 A 20100218; JP 5312331 B2 20131009; KR 101452349 B1 20141021; KR 20090057020 A 20090603; MX 2009002988 A 20090401; PL 2066451 T3 20111031; RU 2009115657 A 20101110; RU 2441709 C2 20120210; US 2010147215 A1 20100617; US 8485125 B2 20130716

DOCDB simple family (application)
EP 2007008382 W 20070926; AT 07818465 T 20070926; BR PI0717421 A 20070926; CA 2663245 A 20070926; EP 07818465 A 20070926; JP 2009529600 A 20070926; KR 20097005460 A 20070926; MX 2009002988 A 20070926; PL 07818465 T 20070926; RU 2009115657 A 20070926; US 44216107 A 20070926