

Title (en)
COATING ZONE WITH INCLINED GUIDE RAILS

Title (de)
BESCHICHTUNGSZONE MIT GENEIGTEN FÜHRUNGSSCHIENEN

Title (fr)
ZONE DE REVÊTEMENT DOTÉE DE RAILS DE GUIDAGE INCLINÉS

Publication
EP 2160253 A1 20100310 (DE)

Application
EP 08759322 A 20080623

Priority
• EP 2008005061 W 20080623
• DE 202007008852 U 20070625

Abstract (en)
[origin: US2010251963A1] In a painting booth (1) for the series coating of application objects, such as vehicle bodies (2) or the add-on parts thereof, painting and/or handling robots (11) are moveable on guide rails (10) arranged above the conveyor (3) of the objects (2) and in particular arranged approximately level with their upper side or thereabove. According to a first aspect of the invention, the guide rail (10) and the basic body (51) of the robot (11), which basic body is guided by the guide rail, are arranged in such a manner that the first axis (A1) of the robot is inclined in relation to the vertical plane which is parallel to the conveying direction. According to a second aspect of the invention, the guide rail (10) is arranged at an inclination or tiltably with respect to a vertical plane which is parallel to the conveying direction.

IPC 8 full level
B05B 13/04 (2006.01)

CPC (source: EP US)
B05B 13/0452 (2013.01 - EP US); **B05B 16/40** (2018.01 - EP US); **B05B 16/60** (2018.01 - EP US); **B05B 13/0431** (2013.01 - EP US)

Citation (search report)
See references of WO 2009000491A1

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

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
US 2010251963 A1 20101007; US 8544409 B2 20131001; AT E507906 T1 20110515; CN 101778678 A 20100714; CN 101778678 B 20130619; DE 202007008852 U1 20071004; DE 502008003435 D1 20110616; EP 2160253 A1 20100310; EP 2160253 B1 20110504; WO 2009000491 A1 20081231

DOCDB simple family (application)
US 66663208 A 20080623; AT 08759322 T 20080623; CN 200880102947 A 20080623; DE 202007008852 U 20070625; DE 502008003435 T 20080623; EP 08759322 A 20080623; EP 2008005061 W 20080623