

Title (en)  
COATING DEVICE

Title (de)  
BESCHICHTUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE REVÊTEMENT

Publication  
**EP 4137235 C0 20240424 (DE)**

Application  
**EP 22183922 A 20220708**

Priority  
DE 102021121591 A 20210819

Abstract (en)  
[origin: CA3170298A1] Proposed is a coating device (1) for applying a coating agent to the surface of a workpiece (4). The coating device (1) includes a machine frame (2) having a workpiece receptacle (3), a coating agent source (8, 9) as well as a compressed air source (5). The coating device (1) furthermore includes a rotary unit (12) which is rotatable in relation to the machine frame (2) and has a pump (17) and a plurality of spray units (20), the pump (17) on the suction side being connected to the coating agent source (8, 9) by way of a fluid-conducting rotary joint connection (13), and on the pressure side being connected to the spray units (20). It is essential that the rotary unit (12) has a pneumatic valve device (18), furthermore that the spray units (20) have in each case one compressed air controlled valve (21) for controlling the delivery of coating agent, wherein the valve device (18) on the inlet side is connected to the compressed air source (5) by a fluid-conducting rotary feedthrough (14), preferably a single-channel rotary feedthrough, and on the exhaust air side is connected to the compressed air controlled valves (21) of the spray units (20).

IPC 8 full level  
**B05B 3/02** (2006.01)

CPC (source: EP US)  
**B05B 3/021** (2013.01 - EP); **B05B 3/026** (2013.01 - EP); **B05B 9/0406** (2013.01 - US); **B05B 9/0409** (2013.01 - EP); **B05B 9/0423** (2013.01 - EP US); **B05B 12/087** (2013.01 - US); **B05B 12/10** (2013.01 - US); **B05B 13/0421** (2013.01 - US); **B05B 13/0447** (2013.01 - US); **B05B 13/0484** (2013.01 - EP US); **B05B 15/55** (2018.02 - EP); **B05B 15/652** (2018.02 - EP US); **B05B 1/306** (2013.01 - EP); **B05B 7/0815** (2013.01 - EP US)

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

Designated extension state (EPC)  
BA ME

Participating member state (EPC – UP)  
AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)  
**EP 4137235 A1 20230222**; **EP 4137235 B1 20240424**; **EP 4137235 C0 20240424**; CA 3170298 A1 20230219; DE 102021121591 A1 20230223; US 11850616 B2 20231226; US 2023058008 A1 20230223

DOCDB simple family (application)  
**EP 22183922 A 20220708**; CA 3170298 A 20220810; DE 102021121591 A 20210819; US 202217889519 A 20220817