

Title (en)

APPARATUS FOR COATING WORKPIECES WITH LIQUIDS

Publication

**EP 0075258 A3 19840307 (DE)**

Application

**EP 82108477 A 19820914**

Priority

DE 3137074 A 19810917

Abstract (en)

[origin: EP0075258A2] In a device for coating workpieces with a liquid, for example for the electrostatic enamelling of motor vehicle bodies in a conveyor belt operation, with atomisation for the liquid, in which a liquid-pressure controller is arranged between a liquid changer and at least one atomiser connected to the liquid changer, a compressed air-controlled liquid controller is used. A thickened plate (58) which covers the inlet (52) for the coating liquid at maximum air pressure is attached to the membrane (48) of said liquid controller on the side facing the coating liquid chamber. As a result, an annular space is provided about the plate in the chamber. A groove (64) in the plate connects the inlet to the annular space. Rinsing liquid is passed into the inlet (52). The circumference of the chamber is cleaned particularly well by the flow of the rinsing liquid in the annular space. <IMAGE>

IPC 1-7

**B05B 12/14**; **B05B 5/02**

IPC 8 full level

**B05B 5/16** (2006.01); **B05B 12/00** (2018.01); **B05B 12/08** (2006.01); **B05B 12/14** (2006.01)

CPC (source: EP)

**B05B 5/16** (2013.01); **B05B 12/085** (2013.01); **B05B 12/088** (2013.01); **B05B 12/14** (2013.01)

Citation (search report)

- [A] FR 1476964 A 19670414 - DEVILBISS CO
- [A] US 3605683 A 19710920 - WIGGINS RICHARD F
- [A] FR 1366004 A 19640710 - DOSAPRO

Cited by

EP1346775A1; EP0568910A1; EP1287900A3; EP0359383A3; GB2246190A; GB2246190B

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