

Title (en)

Arrangement for liquid coating, especially for a liquid film

Title (de)

Vorrichtung zum Auftragen eines flüssigen Beschichtungsmaterials, insbesondere einer Flüssigfolie

Title (fr)

Dispositif pour appliquer matière de revêtement liquide, spécialement une feuille liquide

Publication

EP 1396286 B1 20060322 (DE)

Application

EP 03017491 A 20030802

Priority

- DE 10241222 A 20020906
- DE 20219052 U 20021210

Abstract (en)

[origin: EP1396286A1] The device is for the application of a liquid coating material particularly a liquid film, and comprises a material source and a nozzle arrangement connected to the source by a pressure conduit. It is movable relatively to the surface onto which the material is to be applied. The nozzle arrangement (9) has a full jet outlet aperture (15), which is directed towards a deflection plate (17). The deflection plate encloses an angle (alpha) in the range of 45 to 85 degrees with the axis of the outlet aperture. The nozzle arrangement produces a flat jet (18) with a width of at least 8 cm. The outlet aperture has a diameter in the range of 1.5 to 4mm. The material source produces a pressure in the range of 2 to 8 bar at the inlet of the nozzle arrangement. The material source (4) incorporates a volumetric controlled feed device (6), coupled with a transport unit (11) and determines the volume flow of material against the application surface (3).

IPC 8 full level

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CPC (source: EP)

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