

Title (en)

METHOD FOR DIRECTING AN ELONGATED FLOW OF COATING MATERIALS TOWARD A SUBSTRATE.

Title (de)

VERFAHREN ZUM RICHTEN EINES LANGGESTRECKTEN STRAHLES AUS BESCHICHTUNGSMATERIAL AUF EIN SUBSTRAT.

Title (fr)

PROCEDE PERMETTANT DE DIRIGER UN ECOULEMENT ALLONGE DE MATERIAUX DE REVETEMENT, VERS UN SUBSTRAT.

Publication

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Application

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- US 70802591 A 19910530
- US 70803291 A 19910530
- US 70803491 A 19910530
- US 70803991 A 19910530

Abstract (en)

[origin: WO9212803A1] A method for depositing a liquid on a substrate by directing an elongated linear flow of a liquid (647) toward a substrate (670), and impinging a flow of fluid against the liquid to atomize the liquid and deposit liquid droplets on the substrate. Excess mist is collected in a collector device (650), which is provided with a paddlewheel or auger to help move mist into and through the collector. Heated air may also be introduced into the collector. Even distribution of liquid out of an applicator is enhanced by flowing liquid through a row of orifices and into an impingement plate before flowing the liquid out of an outlet slot or orifices. A non-wetting or subliming powder may be included in the liquid or fluid that renders the coating porous on the substrate.

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IPC 8 full level

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- No further relevant documents disclosed
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