

Title (en)

SYSTEM AND METHOD FOR APPLICATION OF NANOFIBRES TO A SUBSTRATE

Title (de)

SYSTEM UND VERFAHREN ZUR AUFBRINGUNG VON NANOFASERN AUF EIN SUBSTRAT

Title (fr)

SYSTÈME ET PROCÉDÉ D'APPLICATION DE NANOFIBRES SUR UN SUBSTRAT

Publication

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Application

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Abstract (en)

[origin: US2014134346A1] A system for the application of nanofiber to a substrate includes a tank having an outlet, an agitator disposed in the tank, a pump located at the tank outlet and an applicator disposed proximate to the substrate. One or more fluid conduits extend from the tank to the pump and from the pump to the applicator. The fluid conduits are configured so as to minimize bends and interferences. The system includes a controller. A nanofiber formulation in a fluid carrier in the tank is pumped from the tank to the applicator for application to the substrate at a predetermined flow rate. The pump is controlled by the controller to vary the output of the pump to match the predetermined flow rate, and the nanofiber formulation is applied by the applicator head at a predetermined coat weight on the substrate. A method for the application of nanofiber to a substrate is disclosed.

IPC 8 full level

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