

[54] **METHOD AND APPARATUS FOR COATING PAPER AND THE LIKE**

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[57] **ABSTRACT**

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A coating method and apparatus allows coating of a paper substrate from any point from the first de-watering stage to a fully dried stage. The method includes the making of a fog from a coating slurry, and directing the fog to a nozzle that does not physically contact the substrate. An air current normally carries the fog; but, electrostatic charges can be applied to the substrate and the fog to cause the fog to be attracted and adhere to the substrate. Vacuum chambers contiguous with the nozzle pick up excess fog and deliver the excess to a separator for recycling.

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[58] **Field of Search:** 118/629, 630, 326, 300, 118/325; 239/11, 428, 432; 427/27, 32, 424

[56] **References Cited**

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7 Claims, 1 Drawing Sheet

