

ABSTRACT

ANISOTROPY REDUCTION IN COATING OF CONDUCTIVE FILMS

Provided herein is a method of forming a conductive film, the method comprising: providing a coating solution having a plurality of conductive nanostructures and a fluid carrier; moving a web in a machine direction; forming a wet film by depositing the coating solution on the moving web, wherein the wet film has a first dimension extending parallel to the machine direction and a second dimension transverse to the machine direction; applying an air flow across the wet film along the second dimension, whereby at least some of the conductive nanostructures in the wet film are reoriented; and allowing the wet film to dry to provide the conductive film.

FIG. 1