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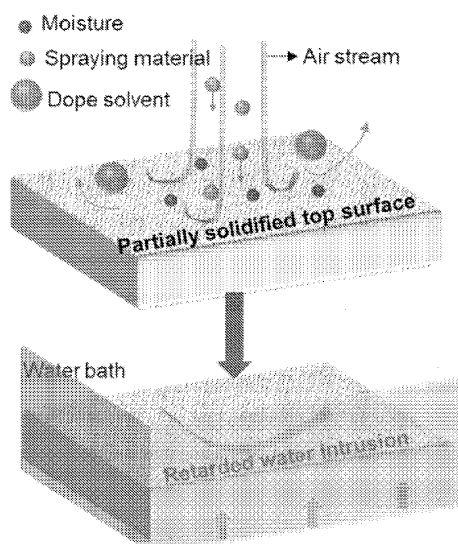
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(54) Title: A SEMI-CRYSTALLINE POLYMER MEMBRANE

Figure 7



(57) Abstract: There is provided a semi-crystalline polymer membrane, the membrane being a single-layer membrane and superwettable without provision of a coating or additives. There is also provided a method of forming the membrane comprising: depositing a solution on a substrate surface, the solution comprising a semi-crystalline polymer to form a nascent membrane; spraying a fluid on the nascent membrane; and immersing the nascent membrane in a non-solvent to form the semi-crystalline polymer membrane. In preferred embodiments, the fluid sprayed on the nascent membrane is selected from compressed air, water, a mixture of ethanol and water, or a solid suspension of ethanol/water/sodium chloride.

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