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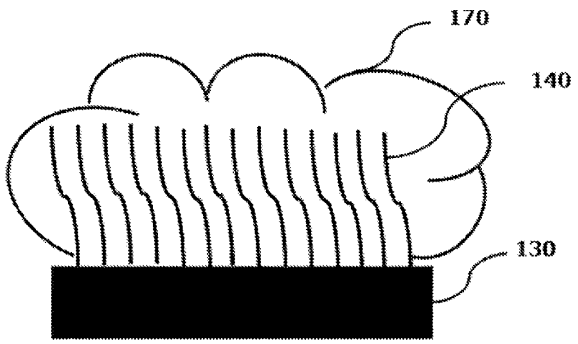

Fig. 1

(57) Abstract: The disclosure relates to the adhesion of polymers to substrates decorated with surface polymers, and methods for forming the same comprising: providing a substrate having polymerization initiators covalently bound to at least a portion of a surface of the substrate, exposing the substrate to a reaction composition comprising a monomer to form surface polymers covalently bound to the polymerization initiators on the substrate, and depositing a polymer on the at least one surface of the substrate, to provide an adhering interface between the surface polymer and the polymer.

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