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(54) **Title:** METHODS FOR REMOVAL OF POLYMERIC COATING LAYERS FROM COATED SUBSTRATES

(57) **Abstract:** The invention provides a method for the at least partial removal of one or more polymeric coating layers from a coated substrate having at least one coated surface. The method includes generating at least one reactive species in an ionized gas stream discharged at atmospheric pressure; and placing the coated surface in the ionized gas stream. The at least one reactive species reacts with the one or more polymeric coating layers such that one or more coating layers is at least partially removed from the coated surface of the substrate at atmospheric pressure.

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