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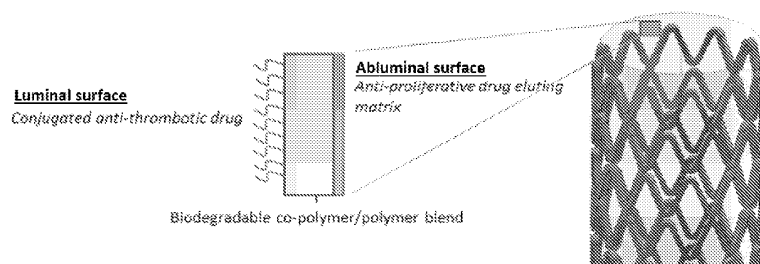
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(54) Title: METHOD OF SELECTIVELY MODIFYING THE ABLUMINAL SURFACE AND COATING THE LUMINAL SURFACE OF POLYMERIC STENT GRAFTS

FIG. 1B



(57) Abstract: According to the present disclosure, there is provided for a method of forming a biodegradable stent graft having an abluminal surface and a luminal surface, wherein the abluminal surface comprises an anti-proliferative agent and/or an anti-restenotic agent, wherein the luminal surface comprises an anti-thrombotic agent and/or a vascular growth factor. The method includes depositing a water soluble layer on the abluminal surface, contacting the biodegradable stent graft with an alcohol-based solution comprising a diamine to form amine functional groups on the luminal surface, contacting the amine functional groups on the luminal surface with the anti-thrombotic agent and/or the vascular growth factor, and coating the abluminal surface with the anti-proliferative agent and/or an anti-restenotic agent, wherein prior to coating the abluminal surface, the water soluble layer is removed from the abluminal surface. The biodegradable stent graft obtained according to the method described herein, and its uses, are also provided.

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