

CLAIMS

1. A device comprising:

a stent; and

a coating comprising a plurality of layers forming a laminate coating on said stent, at least one of said plurality of layers comprising a pharmaceutical agent selected from rapamycin, a prodrug, a derivative, ester and a salt thereof, at least a portion of said rapamycin being in crystalline form and at least two other of said plurality of layers comprising a bioabsorbable polymer wherein the coating has an initial pharmaceutical agent amount; and wherein the coating on an abluminal surface of said stent has a greater thickness than a coating on a luminal surface of said stent wherein when said device is to be delivered in a body lumen of a subject, the pharmaceutical agent is to be delivered in the vessel wall tissue of the subject.

2. The device of claim 1 wherein at least one of said layers comprises a PLGA bioabsorbable polymer.

3. The device of claim 1 wherein about 50% of said polymer is resorbed within 45-90 days after an angioplasty procedure wherein said device is to be delivered in a subject's body.

4. The device of claim 1 wherein about 75% of said polymer is resorbed within 45-90 days after an angioplasty procedure wherein said device is to be delivered in a subject's body.

5. The device of claim 1 wherein about 95% of said polymer is resorbed within 45-90 days after an angioplasty procedure wherein said device is to be delivered in a subject's body.

6. The device of claim 1 wherein 99% of said polymer is resorbed within 45-90 days after an angioplasty procedure wherein said device is to be delivered in a subject's body.

7. The device of claim 1 wherein said device provides reduced inflammation over the course of polymer resorption compared to a conventional stent.

8. The device of claim 1, wherein presence of crystallinity is shown by at least one of XRD, Raman Spectroscopy, Infrared analytical methods, and DSC.
9. The device of claim 1, wherein a ratio of coating on the abluminal surface to coating on the luminal surface of the device is 80:20.
10. The device of claim 1, wherein a ratio of coating on the abluminal surface to coating on the luminal surface of the device is 75:25.
11. The device of claim 1, wherein a ratio of coating on the abluminal surface to coating on the luminal surface of the device is 70:30.
12. The device of claim 1, wherein a ratio of coating on the abluminal surface to coating on the luminal surface of the device is 60:40.
13. The device of claim 1, wherein said stent is a coronary stent, a vascular stent, a peripheral stent, biliary stent, and intercranial stent.