

Title (en)

METHODS AND SYSTEMS FOR PREPARING AND SEALING RADIATION DELIVERY STRUCTURES

Title (de)

VERFAHREN UND VORRICHTUNGEN ZUR VORBEREITUNG UND DICHTUNG VON STRAHLENTHERAPIE-STRUKTUREN

Title (fr)

PROCEDES ET SYSTEMES POUR LA PREPARATION ET LE SCELLAGE DE STRUCTURES PRODUISANT UN RAYONNEMENT

Publication

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Application

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Abstract (en)

[origin: WO9902194A1] Implantable structures, such as permanently implanted stents and temporarily implanted balloon catheters, are coated with a radioactive material. At least a portion of a surface of the structure is first coated with a substrate material. The radioactive material is then bonded to the substrate material on the structure surface. The amount of radioactive material bonded to the substrate may be selected to provide a desired radioactive dosage for intravascular treatment, anti-tumor treatment, or other therapeutic protocol. Optionally, at least a portion of the bound radioactive material will be coated with a sealing layer.

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