

Title (en)  
COATING FOR IMPLANTABLE MEDICAL DEVICES, METHOD FOR PRODUCING SAME, AND IMPLANTABLE MEDICAL DEVICE

Title (de)  
BESCHICHTUNG FÜR IMPLANTIERBARE MEDIZINISCHE GERÄTE, VERFAHREN ZU DEREN HERSTELLUNG SOWIE IMPLANTIERBARES MEDIZINISCHES GERÄT

Title (fr)  
REVÊTEMENT POUR DISPOSITIFS MÉDICAUX IMPLANTABLES, PROCÉDÉ POUR LEUR FABRICATION AINSI QUE DISPOSITIFS MÉDICAUX IMPLANTABLES

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Application  
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Abstract (en)  
[origin: WO2020011486A1] The invention relates to a coating for implantable medical devices. The coating contains a layer complex which comprises at least one polyelectrolyte multilayer and at least one layer of functionalized nanodiamonds. The at least one polyelectrolyte multilayer consists of polyelectrolyte monolayers which are charged positively and negatively in an alternating manner. Additionally, the functionalized nanodiamonds are functionalized with at least one bioactive agent. The invention additionally relates to a method for producing such a coating for implantable medical devices, to the use of such a coating, and to an implantable medical device which has such a coating.

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