

Title (en)
COATING FOR MEDICAL DEVICES

Title (de)
BESCHICHTUNG FÜR MEDIZINPRODUKTE

Title (fr)
REVÊTEMENT POUR DISPOSITIFS MÉDICAUX

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Application
EP 20803556 A 20201106

Priority

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Abstract (en)
[origin: GB2589457A] A coating for medical devices coating comprises: a surface layer; and optionally a base layer; wherein the surface layer comprises a polymer chain attached to an anti-clotting group, wherein the anti-clotting group is selected from a sulfonic acid group, a sulfonamide group, a sulfamic acid group, a hydrogen sulfate group and a conjugate base thereof. Preferably, the coating is a polymer as defined by figure I below. Y1 is O, OH, NH or NH₂, L1 and L2 are a C2-5 alkylene, RA is H or C1-6 alkyl and n1 and n2 are integers, preferably greater than or equal to 5. In a described embodiment, the coating is a poly(maleic-co-acrylic acid) coating which is modified with taurine (2-amino sulfonic acid) to provide the sulfonic anti-clotting group. Also described is a medical device comprising the coating, and uses and methods involving the coating and the medical device.

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