

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
26 June 2008 (26.06.2008)

PCT

(10) International Publication Number
WO 2008/074838 A1

(51) International Patent Classification:

A61L 29/08 (2006.01) A61L 27/34 (2006.01)
A61L 31/10 (2006.01) B05D 5/08 (2006.01)

4, 63739 Aschaffenburg (DE). ARNDT, Heike [DE/DE];
Taunusstrasse 22, 63853 Mömlingen (DE).

(21) International Application Number:

PCT/EP2007/064241

(74) Agents: BIELEFELDT, Florian et al.; c/o Bohest AG,
Holbeinstrasse 36-38, CH-4051 Basel (CH).

(22) International Filing Date:

19 December 2007 (19.12.2007)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

06126835.5 21 December 2006 (21.12.2006) EP

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG,
ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL,
IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK,
LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW,
MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL,
PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA,
ZM, ZW.

(71) Applicant (for all designated States except US): NOVARTIS AG [CH/CH]; Lichtstrasse 35, CH-4056 Basel (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BOTHE, Harald
[DE/DE]; Alt Auringen 33a, 65207 Wiesbaden (DE).
MATSUZAWA, Yasuo [JP/US]; 10454 Turner Road,
Roswell, Georgia 30076 (US). SEIFERLING, Bernhard
[DE/DE]; Dr. Wohlfahrt Strasse 6, 63773 Goldbach
(DE). SCHMID, Katharina [DE/DE]; Müncherstrasse

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL,
PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(54) Title: PROCESS FOR THE COATING OF BIOMEDICAL ARTICLES

(57) Abstract: The invention relates to a process for the manufacture of a hydrophilic coating on a biomedical article, which comprises treating the biomedical article for a time period of ≤ 5 minutes with a solution of an organic solvent comprising a polyanionic compound with a number average molecular weight M_n of > 5000 , wherein the solution comprises less than 10% by weight of water, and wherein the solution is devoid of a cationic polymer. The coated biomedical articles obtainable by the process of the invention have desirable characteristics regarding adherence to the substrate, durability, hydrophilicity, wettability, biocompatibility and permeability and are thus especially useful in the field of ophthalmic devices.

WO 2008/074838 A1