



- (51) International Patent Classification:
C09D 5/00 (2006.01) *C08K 5/00* (2006.01)
- (21) International Application Number:
PCT/EP2014/065793
- (22) International Filing Date:
23 July 2014 (23.07.2014)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/857,910 24 July 2013 (24.07.2013) US
- (71) Applicant: I-TECH AB [SE/SE]; Haraldsgatan 5, S-413 14 Göteborg (SE).
- (72) Inventors: ISAKSSON, Dan; Dalbogatan 3d, S-431 38 Mölndal (SE). MÅRTENSSON LINDBLAD, Lena; Skidvägen 15, S-438 53 Hindås (SE).
- (74) Agent: BRANN AB; Box 12246, S-102 26 Stockholm (SE).
- (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, 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, IR, IS, JP, KE, KG, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM,

[Continued on next page]

(54) Title: USE OF THE ENANTIOMER LEVOMEDETOMIDINE AS INHIBITOR FOR MARINE BIOFOULING OF SURFACES

Figure 2a:

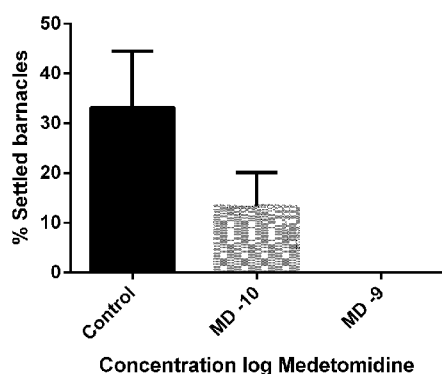
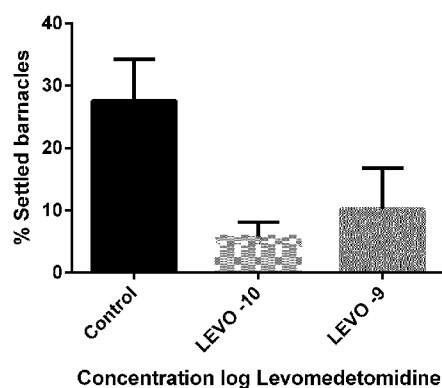


Figure 2b:



(57) Abstract: The present invention relates to the use of medetomidine having a relatively higher amount of levomedetomidine, or a salt or solvate thereof, as compared to dexmedetomidine, as a marine antifouling agent. It further relates to surface coating compositions comprising such medetomidine, surfaces coated with such medetomidine, and methods for preventing marine biofouling using such medetomidine.



TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK,

Declarations under Rule 4.17:

— *of inventorship (Rule 4.17(iv))*

Published:

— *with international search report (Art. 21(3))*