

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
08 October 2020 (08.10.2020)



(10) International Publication Number
WO 2020/201293 A1

(51) International Patent Classification:
B08B 17/02 (2006.01) **B63B 59/04** (2006.01)

(21) International Application Number:
PCT/EP2020/059145

(22) International Filing Date:
31 March 2020 (31.03.2020)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
19166787.2 02 April 2019 (02.04.2019) EP

(71) Applicant: **KONINKLIJKE PHILIPS N.V.** [NL/NL];
High Tech Campus 52, 5656 AG Eindhoven (NL).

(72) Inventors: **HIETBRINK, Roelant, Boudewijn**; High
Tech Campus 5, 5656 AE Eindhoven (NL). **NIESSEN, Ed-
uard, Matheus, Johannes**; High Tech Campus 5, 5656 AE
Eindhoven (NL). **SCHUDELARO, Antonius, Adrianus,
Petrus**; High Tech Campus 5, 5656 AE Eindhoven (NL).
ROTH, Rudy; High Tech Campus 5, 5656 AE Eindhoven
(NL).

(74) Agent: **PHILIPS INTELLECTUAL PROPERTY &
STANDARDS**; High Tech Campus 5, 5656 AE Eindhoven
(NL).

(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, DJ, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP,
KR, KW, KZ, LA, LC, LK, LR, LS, 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, ST, SV, SY, TH, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

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

(54) Title: ASSESSING AT LEAST ONE STRUCTURAL FEATURE OF AN ANTI-BIOFOULING ARRANGEMENT

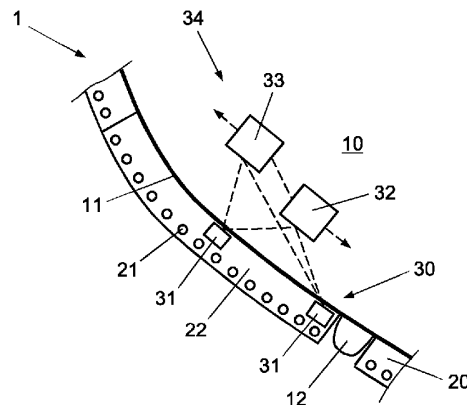


Fig. 2

(57) Abstract: In an anti-biofouling context, an anti-biofouling system (20) is provided, which is configured to emit anti-biofouling light in an activated state thereof and to be applied to an object (10). Further, the anti-biofouling system (20) comprises a sensor system (30) that is configured to obtain measurement data relating to at least one structural feature of an anti-biofouling arrangement (1) including both the anti-biofouling system (20) and the object (10) in an actual case of the anti-biofouling system (20) being in place on the object (10). By having the sensor system (30) as mentioned in the anti-biofouling system (20), it is achieved that one or more structural aspects of the anti-biofouling arrangement (1) may be checked/monitored without a need for providing separate means for fulfilling such functionality.

[Continued on next page]

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

Published:

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