

Title (en)

SYSTEM AND METHOD FOR IRRADIATING A SURFACE WITH ANTI-BIOFOULING LIGHT

Title (de)

SYSTEM UND VERFAHREN ZUR BESTRAHLUNG EINER OBERFLÄCHE MIT ANTI-BIOFÄULNIS-LICHT

Title (fr)

SYSTÈME ET PROCÉDÉ D'IRRADIATION D'UNE SURFACE AVEC LUMIÈRE ANTI-ENCRASSEMENT BIOLOGIQUE

Publication

EP 3680164 A1 20200715 (EN)

Application

EP 19150784 A 20190108

Priority

EP 19150784 A 20190108

Abstract (en)

In the context of anti-biofouling, a system (1) is provided that is configured to emit anti-biofouling light to a surface (21). The system (1) comprises a radiation unit (10) including at least two light-emitting areas (34, 35) which are both/all configured to emit anti-biofouling light in an activated state thereof, wherein the arrangement of the at least two light-emitting areas (34, 35) with respect to each other in the radiation unit (10) is variable. In particular, the at least two light-emitting areas (34, 35) of the radiation unit (10) may be displaceable and/or reorientable with respect to each other. Consequently, it is possible to arrange the at least two light-emitting areas (34, 35) in such a way with respect to each other that the shape/contour of a surface (21) to be subjected to an anti-biofouling action can be followed, in an accurate/close fashion if so desired.

IPC 8 full level

B63B 59/08 (2006.01); **B63B 59/04** (2006.01); **B63B 59/10** (2006.01)

CPC (source: EP)

B63B 59/04 (2013.01); **B63B 59/08** (2013.01); **B63B 59/10** (2013.01)

Citation (applicant)

KR 20150015962 A 20150211

Citation (search report)

- [XYI] US 4689523 A 19870825 - FOWLER MICHAEL P [US]
- [YD] KR 20150015962 A 20150211
- [Y] US 2017081000 A1 20170323 - CIOANTA IULIAN [US], et al
- [Y] DE 102015121769 A1 20170614 - HÜBNER HARALD [DE]
- [XYI] WO 2018108645 A2 20180621 - KONINKLIJKE PHILIPS NV [NL]
- [XYI] US 2017336530 A1 20171123 - HIETBRINK ROELANT BOUDEWIJN [NL], et al

Cited by

IT202100013028A1; WO2022243925A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3680164 A1 20200715

DOCDB simple family (application)

EP 19150784 A 20190108