

Title (en)  
AN ANTIFOULING LIGHT OUTPUT SYSTEM

Title (de)  
ANTIFOULING-LICHTAUSGABESYSTEM

Title (fr)  
SYSTÈME DE SORTIE DE LUMIÈRE ANTISALISSURE

Publication  
**EP 3889032 A1 20211006 (EN)**

Application  
**EP 20167979 A 20200403**

Priority  
EP 20167979 A 20200403

Abstract (en)  
An anti-fouling light output system is for mounting over a surface to be protected. A lighting panel (20) has a first surface (51 )and an opposite second surface (52), wherein a waveguide is formed between the first and second surfaces. A light source (40) delivers light into the waveguide, and it is, or is converted into, anti-fouling light. The first surface of the panel is for application to the surface to be protected and the second surface is for facing outwardly from the surface to be protected. This second surface comprises a ribbed area (80, 90, 92) having ribs (82) for reducing drag, which ribs are transparent to the anti-fouling light. This arrangement thus combines two measures for drag reduction; a ribbed surface and delivery of anti-biofouling light through those ribs to prevent the formation of biofouling at the ribs.

IPC 8 full level  
**B63B 59/04** (2006.01); **B08B 17/02** (2006.01)

CPC (source: EP)  
**B08B 17/02** (2013.01); **B63B 59/04** (2013.01)

Citation (applicant)  
• WO 2014188347 A1 20141127 - KONINKL PHILIPS NV [NL]  
• US 5133516 A 19920728 - MARENTIC FRANCIS J [US], et al

Citation (search report)  
• [X] WO 9424482 A1 19941027 - PARMENTIER FRANCOIS [FR]  
• [YD] WO 2014188347 A1 20141127 - KONINKL PHILIPS NV [NL]  
• [YD] US 5133516 A 19920728 - MARENTIC FRANCIS J [US], et al  
• [A] US 10436437 B1 20191008 - USHER SCOTT D [US], et al

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 3889032 A1 20211006**; TW 202217380 A 20220501; WO 2021198350 A1 20211007

DOCDB simple family (application)  
**EP 20167979 A 20200403**; EP 2021058469 W 20210331; TW 110111727 A 20210331