Title (en)

SYSTEM FOR ENHANCING CORROSION PROTECTION OF A MARINE STRUCTURE

Title (de)

SYSTEM ZUR ERHÖHUNG DES KORROSIONSSCHUTZES EINER MEERESSTRUKTUR

Title (fr)

SYSTÈME PERMETTANT D'AMÉLIORER LA PROTECTION CONTRE LA CORROSION D'UNE STRUCTURE MARINE

Publication

EP 3460951 A1 20190327 (EN)

Application

EP 17193091 A 20170926

Priority

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Abstract (en)

A system enhances corrosion protection of a protected surface (30) of a marine structure (110) in contact with a liquid containing biofouling organisms. The protected surface is electrically conductive and is protected against corrosion by impressed current cathodic protection (ICCP). The system has a light emitting arrangement (100) comprising a light source (20) for emitting anti-fouling light (22). The light emitting arrangement is arranged to emit the anti-fouling light from the light source towards a zone of the protected surface (30). Effectively biofouling is prevented and the operation of the ICCP is enhanced when the marine structure is partly immersed in the fouling liquid.

IPC 8 full level

H02J 50/05 (2016.01); **B08B 17/02** (2006.01); **B63B 59/04** (2006.01); **C23F 13/02** (2006.01); **C23F 13/04** (2006.01); **C23F 13/12** (2006.01); **E02B 17/00** (2006.01)

CPC (source: EP)

B63B 59/04 (2013.01); **C23F 13/06** (2013.01); **E02B 17/0026** (2013.01); C23F 2213/31 (2013.01)

Citation (applicant)

- WO 2014188347 A1 20141127 - KONINKL PHILIPS NV [NL]
- JAVAHERDASHTI: "Microbiologically Influenced Corrosion", pages: 133 - 158

Citation (search report)

- [X] WO 2016193114 A1 20161208 - KONINKLIJKE PHILIPS NV [NL]
- [X] WO 2016000980 A1 20160107 - KONINKL PHILIPS NV [NL]

Cited by

CN110257832A; CN111705320A

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)

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