

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 3460950 A1 20190327 (EN)

Application

EP 17193084 A 20170926

Priority

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Abstract (en)

A system (100) is provided for protecting enhancing 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 being protected against corrosion by impressed current cathodic protection. The system (100) has a light emitting arrangement (20) having a light source for emitting anti-fouling light (22) to illuminate a zone of the protected surface (30). A detector (23) generates level data indicative of the level of the liquid line, and a controller (21) controls the intensity of the anti-fouling light at the zone in dependence of the level data. The intensity may be increased when the level is below a time-averaged level of the liquid line.

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)

JAVAHERDASHTI: "Microbiologically Influenced Corrosion", pages: 133 - 158

Citation (search report)

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

Cited by

CN112715444A

Designated contracting state (EPC)

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