

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
03 March 2022 (03.03.2022)



(10) International Publication Number
WO 2022/043569 A1

(51) International Patent Classification:

G01M 3/40 (2006.01) G01N 27/24 (2006.01)
G01M 5/00 (2006.01) G01N 33/208 (2019.01)
G01N 17/00 (2006.01) G01N 33/32 (2006.01)
G01N 27/02 (2006.01) G06F 21/86 (2013.01)
G01N 27/20 (2006.01)

(21) International Application Number:

PCT/EP2021/073947

(22) International Filing Date:

31 August 2021 (31.08.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

PA 2020 70563 31 August 2020 (31.08.2020) DK

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(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, IT, 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.

(54) Title: A COATED STRUCTURE WITH A MONITORING SYSTEM AND A METHOD FOR MONITORING CRACKING
OF A COATED STRUCTURE

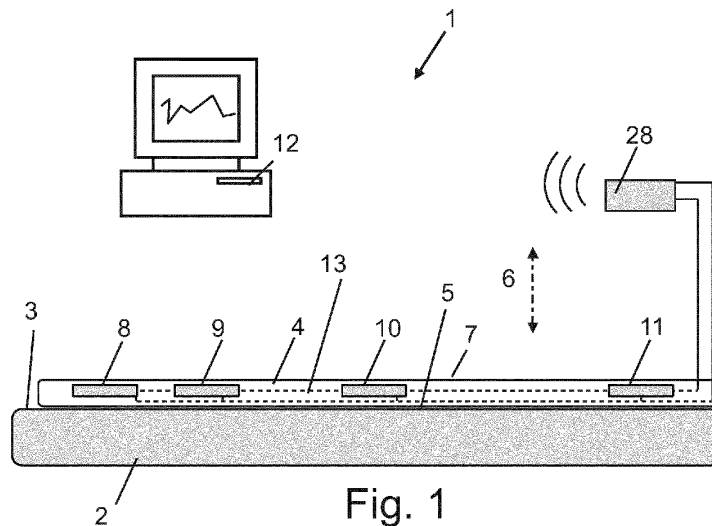


Fig. 1

(57) Abstract: A coated structure with a monitoring system (1) comprises a base (2) having a base surface (3), a coating system comprising one or more layers of cured coat (4) providing protection against surface degradation and being joined to the base surface in a base interface (5) and extending in a thickness direction (6) to an outer coating surface (7), and at least one electrode (8, 9, 10, 11) made from a conductive material embedded in the coating system. The monitoring system is configured to generate an input signal in the at least one electrode and to read an output signal from the at least one electrode, and from the output signal, to determine cracking of the one or more layers of cured coat.

[Continued on next page]

(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).

Declarations under Rule 4.17:

— *of inventorship (Rule 4.17(iv))*

Published:

— *with international search report (Art. 21(3))*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*