



(51) International Patent Classification:

G01N 21/84 (2006.01) G01J 3/50 (2006.01)
G01N 21/88 (2006.01) G06F 17/18 (2006.01)
G01N 21/25 (2006.01)

(21) International Application Number:

PCT/US2014/010608

(22) International Filing Date:

8 January 2014 (08.01.2014)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

13/737,179 9 January 2013 (09.01.2013) US

(71) Applicant: PPG INDUSTRIES OHIO, INC. [US/US];
3800 West 143rd Street, Cleveland, Ohio 44111 (US).

(72) Inventor: NORRIS, Alison M.; 1499 Peach Drive, Avon,
Ohio 44011 (US).

(74) Agents: TREBILCOCK, Christine W. et al.; PPG Industries, Inc., One PPG Place, 39th Floor, Pittsburgh, Pennsylvania 15272 (US).

(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, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,

HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, 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, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(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, 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:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

- with international search report (Art. 21(3))

[Continued on next page]

(54) Title: SYSTEMS AND METHODS FOR STATISTICAL MEASUREMENT CONTROL OF SPECTROPHOTOMETRIC DATA

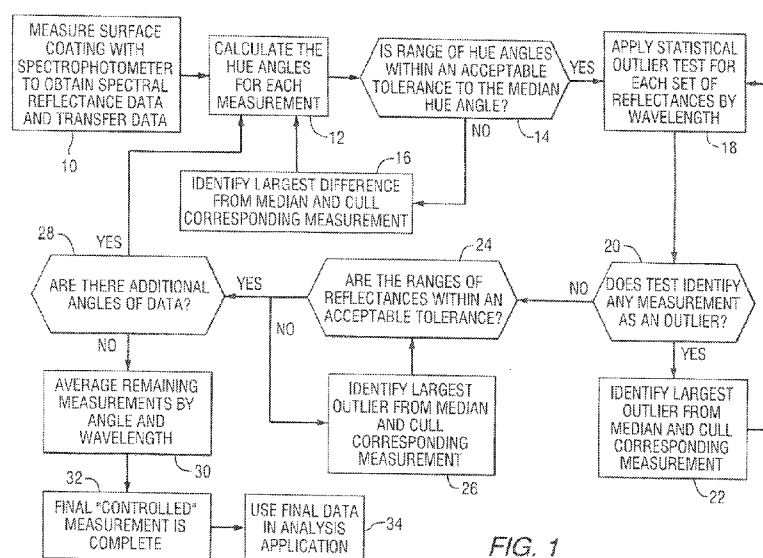


FIG. 1

(57) Abstract: A computer implemented method. The method includes obtaining, using a processor, spectral reflectance data (10) from a coated surface having a target coating thereon; and determining (18), using the processor, whether the data includes any outlier data points (20). The method also includes removing (22), using the processor, at least one of the outlier data points to produce final spectral reflectance data (32); and calculating (34), using the processor, a characteristic of the target coating based at least in part on the final spectral reflectance data.



-
- *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))*