



(51) International Patent Classification:

C09D 5/00 (2006.01) *C09D* 7/12 (2006.01)
C09D 201/00 (2006.01) *C09C* 3/00 (2006.01)

(21) International Application Number:

PCT/US2012/047845

(22) International Filing Date:

23 July 2012 (23.07.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/510,239 21 July 2011 (21.07.2011) US

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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, 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, IS, JP, KE, KG, KM, 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, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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, ML, MR, NE, SN, TD, TG).

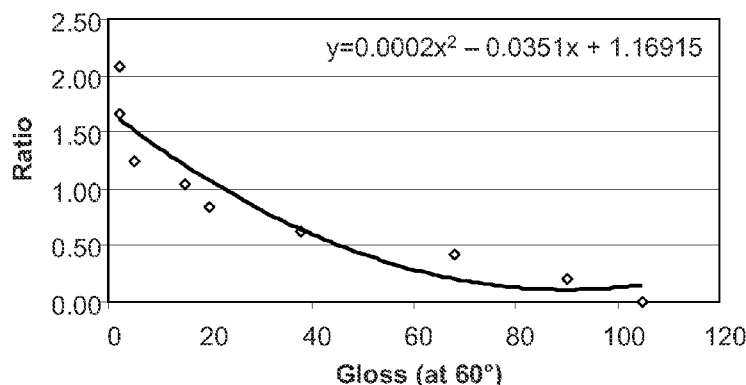
Published:

- 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))

(88) Date of publication of the international search report:

11 April 2013

(54) Title: LOW GLOSS METALLIC COLOR COATING

**FIG. 1**

(57) **Abstract:** The present disclosure is directed to a process for producing a low gloss metallic color coating composition having a target gloss value. The low gloss metallic color coating composition can be produced from a high gloss metallic color coating composition with the addition of a matting agent. The disclosure is also directed to a coating system using the process. This disclosure is also directed to a method for matching color, flake appearance, and gloss of a coating. The processes, methods and systems of this disclosure are particularly useful for producing a low gloss metallic color coating composition having a target gloss value when the high gloss metallic color coating composition comprises both metallic effect pigments and color pigments.



INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/047845**A. CLASSIFICATION OF SUBJECT MATTER***C09D 5/00(2006.01)i, C09D 201/00(2006.01)i, C09D 7/12(2006.01)i, C09C 3/00(2006.01)i*

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C09D; C08K; C08L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: low gloss metallic color coating composition, target gloss value, first ratio, second ratio, matting agent, high gloss coating component, binder, metallic effect pigment, color pigment.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2011-014284 A1 (E. I. DU PONT DE NEMOURS AND COMPANY) 03 February 2011 See abstract; paragraphs [32],[33],[43],[48],[49],[51],[52],[61],[62]; claims 1,2,13,18,19,26; examples 1-22.	1,4,12,13
A		2,3,5-11,14-21
A	US 6331582 B1 (CHEN; AUGUSTIN T. et al.) 18 December 2001 See abstract; column 1, lines 31-33; column 3, lines 56-58; column 4, line 5; column 6, lines 21-27; claim 1.	1-21
A	US 2003-0134978 A1 (TULLOS; TINA L. et al.) 17 July 2003 See abstract; paragraphs [0037],[0046]; claim 1.	1-21



Further documents are listed in the continuation of Box C.



See patent family annex.

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

30 JANUARY 2013 (30.01.2013)

Date of mailing of the international search report

31 JANUARY 2013 (31.01.2013)

Name and mailing address of the ISA/KR

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Information on patent family members

PCT/US2012/047845

Patent document
cited in search report

Publication
date

Patent family member(s)

Publication
date

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03.02.2011

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06.06.2012

US 6331582 B1

18. 12. 2001

None

US 2003-0134978 A1

17.07.2003

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14.06.2005