

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

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
30 July 2009 (30.07.2009)

PCT

(10) International Publication Number
WO 2009/094178 A3

(51) International Patent Classification:

C09B 67/08 (2006.01) C09D 5/00 (2006.01)
C09B 41/00 (2006.01) C09B 56/00 (2006.01)
C09B 67/22 (2006.01) C09B 56/14 (2006.01)
C09B 67/20 (2006.01) C09B 67/00 (2006.01)
C09D 11/00 (2006.01)

(21) International Application Number:

PCT/US2009/000432

(22) International Filing Date:

23 January 2009 (23.01.2009)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/062,310 25 January 2008 (25.01.2008) 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, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (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, SE, SI, SK, 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:

22 July 2010

(54) Title: METHOD OF PREPARING MODIFIED COLORED PIGMENTS

(57) Abstract: The present invention relates to a method of preparing a modified colored pigment comprising a pigment having attached at least one organic group. The method comprises the step of combining, in any order, a) a solution of an organic colorant in a solvent, b) at least one aromatic amine comprising the organic group, c) at least one diazotizing agent, d) an aqueous medium, e) optionally at least one acid, and f), optionally at least one second solvent, to form the modified colored pigment.



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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2009/000432

A. CLASSIFICATION OF SUBJECT MATTER
 INV. C09B67/08 C09B41/00 C09B67/22 C09B67/20 C09D11/00
 C09D5/00 C09B56/00 C09B56/14 C09B67/00

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)
 C09B

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

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

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	GB 858 070 A (BAYER AG) 4 January 1961 (1961-01-04) example s	1-14, 17-19,21 15-16, 20,22
X Y	US 5 964 899 A (BERENQUER JORDI [ES] ET AL) 12 October 1999 (1999-10-12) example s	1-14, 17-19,21 15-16
Y	WO 00/52102 A1 (CABOT CORP [US]) 8 September 2000 (2000-09-08) the whole document	20,22
A	WO 03/008509 A1 (CABOT CORP [US]) 30 January 2003 (2003-01-30) the whole document	1

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"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

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"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

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

21 January 2010

Date of mailing of the international search report

08/06/2010

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2009/000432

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-22

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-22

method for the preparation of colored pigments starting from a solution of a pigment which is brought into contact with the aqueous solution of an diazotized aromatic amine

2. claims: 23-29

method for the preparation of colored pigments by surface modifying a pigment, beforehand having been precipitated from the solution of an organic colorant

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/US2009/000432

Patent document cited in search report	Publication date	Publication date	Patent family member(s)	Publication date
GB 858070	A	04-01-1961	NONE	
US 5964899	A	12-10-1999	NONE	
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