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(71) Applicant (for all designated States except US): ENGELHARD CORPORATION [US/US]; 101 Wood Avenue, P.O. Box 770, Iselin, New Jersey 08830-0770 (US).

(72) Inventors: COUGHLIN, Gregory, R.; 4 Isabel Court, Nanuet, New York 10954 (US). JUBY, Robert; 977 East Mountain Road South, Cold Spring, New York 10516 (US).

(74) Agents: HAMPILOS, Gus, T. et al.; 101 Wood Avenue, P.O. Box 770, Iselin, New Jersey 08830-0770 (US).

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(54) Title: EFFECT PIGMENT COMPOSITION COMPRISING TRIACETIN

(57) Abstract: The present invention provides an effect pigment comprising : (a) substrate optionally coated with metal oxide; and (b) triacetin. The present effect pigment may be used in cosmetics, plastics, security markings, inks, coatings including solvent and water borne automotive paint systems, and unsaturated polyester buttons.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

INV. C09C1/00 C09D7/00 C09D7/12 C08K9/02 C08K9/04

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)
C09C C09D C08K

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, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 2004/085530 A (MERCK PATENT GMBH [DE]; EDLER GERHARD [DE]) 7 October 2004 (2004-10-07) page 4, line 8 - page 6, line 9 page 8, line 22 - line 24 page 9, line 22 - page 10, line 24; example 2.1	1-10
Y	GB 2 288 605 A (COURTAULDS CHEMICALS [GB]) 25 October 1995 (1995-10-25) claims 1-4; example 1	1-10
Y	GB 2 065 691 A (COLORCON) 1 July 1981 (1981-07-01) page 1, line 66 - line 116 page 4, line 59 - line 75; claims 1-4	1-10
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Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Siebel, Eric

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EDITORS :J. FALBE, M.REGITZ: "Römpf Chemie Lexikon" 1995, THIEME VERLAG , STUTTGART , XP002430071 the whole document -----	1-10

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 2004085530	A	07-10-2004	CN 1764689 A	26-04-2006
			DE 10313663 A1	07-10-2004
			EP 1606343 A1	21-12-2005

GB 2288605	A	25-10-1995	AU 2261995 A	16-11-1995
			WO 9529209 A1	02-11-1995

GB 2065691	A	01-07-1981	CH 645272 A5	28-09-1984
			DE 3043914 A1	19-06-1981
			FR 2470598 A1	12-06-1981
			NL 8006462 A	01-07-1981
			US 4543370 A	24-09-1985
