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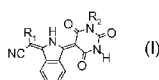
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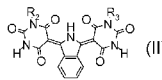
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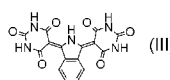
(54) Title: ISOMETRIC ISOINDOLINE YELLOW PIGMENT



(I)



(II)

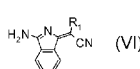


(III)

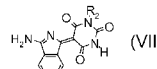
$$\varepsilon = \frac{\sqrt{a^2 - b^2}}{a} \quad \text{(IV)}$$



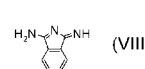
(V)



(VI)



(VII)



(VIII)

(57) Abstract: Pigment of formula (I) or formula (II), preferably formula (III), wherein R₁ is CONR₄R₅ or C(=NR₆)NR₇R₈, R₂, R₃, R₄ and R₅ are each independently of the others H, C₁-C₃alkyl, or phenyl which is unsubstituted or substituted from 1 to 5 times by C₁-C₃alkyl or by halogen, R₆ is phenyl which is unsubstituted or substituted from 1 to 4 times by C₁-C₃alkyl or by halogen, R₇ is H or C₁-C₃alkyl, and R₈ is a direct bond or a carbonyl bridge to R₆, which pigment consists of primary particles the average aspect ratio of which is from 4 to 1, preferably from 3.5 to 1, especially from 3 to 1, and/or the ellipses equivalent to the contours of the primary particles on a two-dimensional electron microscopic image have an average numerical eccentricity ε of from 0 to 0.80, the numerical eccentricity ε being defined as formula (IV), wherein a is the semimajor axis and b is the semiminor axis of the equivalent ellipse. That pigment preferably has a narrow particle size distribution and is, as are analogous pigments, prepared by a novel process. The invention relates also to a process for the preparation of that pigment, wherein R₁CH₂CN or formula (V) is dispersed in an acidic aqueous medium containing from 70 to 99 % by weight water, preferably in the presence of a dispersant, and is reacted with solid formula (VI), (VII) or formula (VIII).



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER		
INV. C09B67/14	C09B67/20	C09B57/04 C08K5/00
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 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, WPI Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99/38920 A (CIBA GEIGY AG [CH]) 5 August 1999 (1999-08-05) examples	1-15
X	EP 0 029 007 A (CIBA GEIGY AG [CH]) 20 May 1981 (1981-05-20) example 17	8-13
A	DE 27 57 982 B1 (BASF AG) 28 June 1979 (1979-06-28) claim 1; example 1	8
A	DE 26 28 409 A1 (BASF AG) 12 January 1978 (1978-01-12) cited in the application examples 1,2	1,8
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<input checked="" type="checkbox"/>	Further documents are listed in the continuation of Box C.	<input checked="" type="checkbox"/> See patent family annex.
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<p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*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)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p>		<p>*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</p> <p>*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</p> <p>*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.</p> <p>*&* document member of the same patent family</p>
Date of the actual completion of the international search 19 November 2009		Date of mailing of the international search report 07/12/2009
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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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