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(54) Title: ZINC OXIDE NANOPARTICLE DISPERSIONS

(57) Abstract: The disclosure relates to zinc oxide (ZnO) nanoparticle dispersions and to such dispersions having a defined color, and films obtained from such dispersions. The zinc oxide dispersions can be used as a UV-absorber, for catalytic applications, electronic applications, production of antifungal or antibacterial materials, sensors, actuators, photovoltaic devices, conductive coatings, among other applications.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. C01G9/02 C09C1/04

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)
C01G C09C

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 2004/000916 A (NANOPHASE TECH CORP [US]) 31 December 2003 (2003-12-31)	1-7
Y	page 1, line 9 - page 2, line 2 claims 1-6,17-23; example 3; table 3	8
X	US 4 767 729 A (OSMAN MAGED A [CH] ET AL) 30 August 1988 (1988-08-30) column 2, lines 58-60	1-3,5
Y	US 5 320 874 A (KANSUPADA BHARAT K [US] ET AL) 14 June 1994 (1994-06-14) examples 1,3	8
P,X	WO 2007/082155 A (AMARR COMPANY [US]; EAST ANTHONY A [US]; JOYNER DANNY L [US] AIR PROD) 19 July 2007 (2007-07-19)	1-8
P,A	paragraphs [0001] - [0005], [0008] - [0011], [0013] - [0024], [0032], [0050] - [0052]; claims 1-6,15-19; tables 8,9	9,10

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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

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* & * document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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