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(54) Title: COSMETIC FORMULATIONS COMPRISING ZnO NANOPARTICLES

(57) Abstract: The present invention relates to the formation of surface treated zinc oxide and titania particles, and in particular zinc oxide and titania nanoparticles, with a siloxane star-graft copolymer coating, comprising a looped and/or linear polymeric structure on a star-graft copolymer coating, on a particle surface to control the interfacial surface interactions between the particle and the oil phase of the cosmetic skin formulation.



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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC: **A61K 08/02;A61Q 19/04(2006.01);B32B 18/00(2006.01)**

USPC: **424/59,60,400,401;428/407**

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)
U.S. : 424/59, 60, 400, 401; 428/407

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 practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,993,967 A (BROTZMAN, JR. ET AL.) 30 NOVEMBER 1999, SEE ENTIRE DOCUMENT.	1-14

Further documents are listed in the continuation of Box C.

See patent family annex.

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"A"	document defining the general state of the art which is not considered to be of particular relevance	"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
"E"	earlier application or patent published on or after the international filing date	"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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