

Title (en)
COLLOIDAL ZINC OXIDE

Title (de)
KOLLOIDALES ZINKOXYD

Title (fr)
OXYDE DE ZINC COLLOIDAL

Publication
EP 0697998 A4 19961023 (EN)

Application
EP 95914704 A 19950309

Priority

- US 9503101 W 19950309
- US 20955694 A 19940311

Abstract (en)
[origin: WO9524359A1] A colloidal-sized agglomerated zinc oxide material having an average agglomerate size below 100 nanometers (nm) and method for production are disclosed. Preferably, the agglomerate size is below 60 nm. The colloidal zinc oxide material will transmit more than 75 %, and preferably more than 85 % of the light in the visible range of the spectrum (i.e., light between 390 and 800 nm in wavelength) and less than 5 % and preferably less than 3 % of light having a wavelength in the ultraviolet range between 190 and 390 nm when tested at 0.1 weight percent in mineral oil. The material is formed by first heat treating zinc carbonate to produce zinc oxide. This zinc oxide is then combined with a polyacrylic acid dispersant and milled to produce a colloidal sized zinc oxide material.

IPC 1-7
C01G 9/02

IPC 8 full level
C01G 9/02 (2006.01)

CPC (source: EP)
C01G 9/02 (2013.01)

Citation (search report)

- [X] EP 0535972 A1 19930407 - TIOXIDE SPECIALTIES LTD [GB]
- See references of WO 9524359A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9524359 A1 19950914; AU 2158695 A 19950925; CA 2162914 A1 19950914; EP 0697998 A1 19960228; EP 0697998 A4 19961023; JP H08510440 A 19961105; MX 9504714 A 19970531

DOCDB simple family (application)
US 9503101 W 19950309; AU 2158695 A 19950309; CA 2162914 A 19950309; EP 95914704 A 19950309; JP 52369495 A 19950309; MX 9504714 A 19950309